



PrismaSeT P Specific Applications

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Floor-Standing Enclosures
for Electrical Distribution up to 3200 A

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General Contents

PrismaSeT P Specific Applications

Index

A

Overview

B

PrismaSeT P 690 V AC

C

PrismaSeT P Internal Arc

D

PrismaSeT P 800 V AC

E

| Com. ref. | Description | Page |
|--------------|--|--------------|
| 1 | | |
| 13735 | LOT OF 10 STANDARD SYMBOLS LABELS | C-61, D-23 |
| 13736 | LOT OF 10 SPECIAL SYMBOLS LABELS | C-61, D-23 |
| 14811 | Acti9 C120 NG125 comb busbar 1P 27mm | D-100 |
| 14812 | Acti9 C120 NG125 comb busbar 2P 27mm | D-100 |
| 14813 | Acti9 C120 NG125 comb busbar 3P 27mm | D-100 |
| 14814 | Acti9 C120 NG125 comb busbar 4P 27mm | D-100 |
| 14818 | Acti9 C120 NG125 tooth cap set of 20 | D-100 |
| 14885 | 4 INSULATED CONNECTORS | D-100 |
| 2 | | |
| 28947 | 3 SNAP-IN TERMINAL BLOCS 95MM2 | C-78, D-94 |
| 28948 | 4 SNAP-IN TERMINAL BLOCS 95MM2 | C-78, D-94 |
| 29270 | CB ACCESSORY, SAFTEY TRIP | B-104 |
| 29321 | CB ACCESSORY, TERMINAL SHIELD | B-104 |
| 29322 | 2 SHORT TERMINAL SHIELDS 4P (NS100/250) | B-104 |
| 29323 | CIRCUIT BREAKER TERMINAL SHIELD | B-104 |
| 29324 | 2 LONG TERMINAL SHIELDS 4P (NS100/250) | B-104 |
| 29504 | 3 BIMETALLIC LUGS FOR ALU CABLE 150MM2 A | C-124, D-147 |
| 29505 | 4 BIMETALLIC LUGS FOR ALU CABLE 150MM2 A | C-124, D-147 |
| 29506 | 3 BIMETALLIC LUGS FOR ALU CABLE 185MM2 A | C-124, D-147 |
| 29507 | 4 BIMETALLIC LUGS FOR ALU CABLE 185MM2 A | C-124, D-147 |
| 3 | | |
| 31301 | ADDITIONAL CABLE LUG ADAPTERS 3P INS/INV | D-56 |
| 31302 | ADDITIONAL CABLE LUG ADAPTERS 4P INS/INV | D-56 |
| 31310 | OPTIONAL VERTICAL OR HORIZONTAL CONNECTI | D-56 |
| 32479 | 3 CONNECT.1 CABLE 35MM2 A 300MM2 AND 2 S | B-104 |
| 32480 | 4 CONNECT. 1 CABLE 35/300MM2 AND 3 PH. | B-104 |
| 32481 | CIRCUIT BREAKER CABLE CONNECTION (3) | B-104 |
| 32482 | CIRCUIT BREAKER LUG KIT | B-104 |
| 32504 | 3 BIMETALLIC LUGS FOR ALU CABLE 240MM2 A | C-124, D-147 |
| 32505 | 4 BIMETALLIC LUGS FOR ALU CABLE 185MM2 A | C-124, D-147 |
| 32506 | 3 BIMETALLIC LUGS FOR ALU CABLE 300MM2 A | C-124, D-147 |
| 32507 | 4 BIMETALLIC LUGS FOR ALU CABLE 300MM2 A | C-124, D-147 |
| 32520 | TRIP INTERLOCK LINK (NS400/630) | B-104 |
| 32562 | 2 SHORT TERMINAL SHIELDS 3P (NS400/630) | B-104 |

| Com. ref. | Description | Page |
|--------------|--|---|
| 32563 | 2 SHORT TERMINAL SHIELDS 4P (NS400/630) | B-104 |
| 32564 | 2 LONG TERMINAL SHIELDS 3P (NS400/630) | B-104 |
| 32565 | 2 LONG TERMINAL SHIELDS 4P (NS400/630) | B-104 |
| 33596 | 3P ARC CHUTE INSULATING SCREEN | D-47, D-48, D-49, D-51 |
| 33597 | 4P ARC CHUTE INSULATING SCREEN | D-47, D-48, D-49, D-51 |
| 33642 | KIT 3P VERTICAL CONNECTION ADAPTERS | C-16, C-19, C-29, C-31, C-125, D-42, D-45, D-47, D-51, D-63, D-65, D-148, D-149 |
| 33643 | KIT 4P VERTICAL CONNECTION ADAPTERS | C-16, C-29, C-31, C-125, D-42, D-47, D-51, D-63, D-65, D-148, D-149 |
| 33644 | 3P CABLE LUG ADAPTER KIT | C-16, C-19, C-125, D-42, D-45, D-47, D-51, D-56, D-148, D-149 |
| 33645 | 4P CABLE LUG ADAPTER KIT | C-16, C-125, D-42, D-47, D-51, D-56, D-148, D-149 |
| 33975 | CONNECTION 3P FOR NS1600/3200A | D-46 |
| 33976 | CONNECTION 4P FOR NS1600/3200A | D-46 |
| 4 | | |
| 47335 | ARC CHUTE INSULATING SCREEN FOR 3P FIXED | C-16, C-17, C-19, D-42, D-43, D-45 |
| 47336 | ARC CHUTE INSULATING SCREEN FOR 4P FIXED | C-16, C-17, D-42, D-43 |
| 49860 | ISFT100 3P MULTI BARE CABLE CONNECTOR / | D-69 |
| 49861 | ISFT 100 3P FEEDING BUSBAR FOR 2 SWITCHE | D-69 |
| 49862 | ISFT 100 3P FEEDING BUSBAR FOR 3 SWITCHE | D-69 |
| 49863 | ISFT 100 3P FEEDING BUSBAR FOR 4 SWITCHE | D-69 |
| 49865 | ISFT 100 3P FEEDING CLAMP FOR FEEDING BU | D-69 |
| 8 | | |
| 87401 | FU HORIZONTAL PARTITION | B-102 |
| 87648 | 50x BUSHING DIA 22MM | C-66, D-28 |
| 88002 | REAR HBB COVER F2 D600 | B-102 |
| 88005 | SUPPORT FOR 50X10 BARS | B-102 |
| 88006 | SUPPORT FOR 100X10 BARS | B-102 |
| 88007 | HBB VBB INF .1200A 3P LINK D600 | B-103 |
| 88008 | HBB VBB INF .1200A 4P LINK D600 | B-103 |

PrismaSeT P Specific Applications - Index

Index of Commercial References with Description

| Com. ref. | Description | Page |
|-----------|----------------------------------|-------|
| 88010 | DISCONNECTABLE FP PLATE NS250 3P | B-104 |
| 88011 | DISCONNECTABLE FP PLATE NS250 4P | B-104 |
| 88012 | DISCONNECTABLE FP PLATE NS630 3P | B-104 |
| 88013 | DISCONNECTABLE FP PLATE NS630 4P | B-104 |
| 88014 | HBB VBB SUP .1200A 3P LINK D600 | B-103 |
| 88015 | HBB VBB SUP .1200A 4P LINK D600 | B-103 |
| 88020 | DISCONNECTABLE MP PLATE NS250 3P | B-104 |
| 88021 | DISCONNECTABLE MP PLATE NS250 4P | B-104 |
| 88022 | DISCONNECTABLE MP PLATE NS630 3P | B-104 |
| 88023 | DISCONNECTABLE MP PLATE NS630 4P | B-104 |

A

| | | |
|----------|---|--------------|
| A9X21094 | ACTI9 side plate for comb set of 40 1PN | D-102, D-103 |
| A9X21095 | ACTI9 side plate for comb set of 40 3PN | D-102, D-103 |
| A9X21096 | ACTI9 tooth cap for comb busb set of 12 | D-102, D-103 |
| A9XAH157 | Acti9 COMB BUSBAR AUX1P 100A 57 MODULES | D-101 |
| A9XAH257 | Acti9 COMB BUSBAR AUX2P 100A 57 MODULES | D-101 |
| A9XAH357 | Acti9 COMB BUSBAR AUX3P 100A 57 MODULES | D-101 |
| A9XAH457 | Acti9 COMB BUSBAR AUX4P 100A 57 MODULES | D-101 |
| A9XAH557 | Acti9 COMB BUSBAR AUX4P REPART. 100A 57M | D-101 |
| A9XAH657 | Acti9 COMB BUSBAR AUX3P REPART. 100A 57M | D-101 |
| A9XPA648 | ACTI9 Comb busb MCB with aux 1PN 48 mod | D-103 |
| A9XPA748 | ACTI9 Comb busb MCB with aux 3PN 48 mod | D-103 |
| A9XPC612 | ACTI9 Comb busbar iC40 1PN 12 mod. 18mm | D-102 |
| A9XPC624 | ACTI9 Comb busbar iC40 1PN 24 mod. 18mm | D-102 |
| A9XPC648 | ACTI9 Comb busbar iC40 1PN 48 mod. 18mm | D-102 |
| A9XPC712 | ACTI9 Comb busbar iC40 3PN 12 mod. 18mm | D-102 |
| A9XPC724 | ACTI9 Comb busbar iC40 3PN 24 mod. 18mm | D-102 |
| A9XPC748 | ACTI9 Comb busbar iC40 3PN 48 mod. 18mm | D-102 |
| A9XPC812 | Acti9 Comb busbar iC40 3PN 12 mod. Hybrid | D-102 |
| A9XPC848 | Acti9 Comb busbar iC40 3PN 48 mod. Hybrid | D-102 |
| A9XPC948 | Acti9 Comb BB iC40 3PN 48M Hybrid Right | D-102 |
| A9XPCD04 | Acti9 Set of 4 Connectors DT | D-101 |

| Com. ref. | Description | Page |
|-----------|--|---------------------|
| A9XPCM04 | Acti9 SET OF 4 CONNECTORS MONOCON | D-101, D-102, D-103 |
| A9XPE110 | Acti9 SET OF 10 END CAPS 1P | D-101 |
| A9XPE210 | Acti9 SET OF 10 END CAPS 2P | D-101 |
| A9XPE310 | Acti9 SET OF 10 END CAPS 3P | D-101 |
| A9XPE410 | Acti9 SET OF 10 END CAPS 4P | D-101 |
| A9XPH106 | ACTI 9 COMB BUSBAR 1P 100A 6 MODULES | D-101 |
| A9XPH112 | Acti9 COMB BUSBAR 1P 100A 12 MODULES | D-101 |
| A9XPH124 | Acti9 COMB BUSBAR 1P 100A 24 MODULES | D-101 |
| A9XPH157 | Acti9 COMB BUSBAR 1P 100A 57 MODULES | D-101 |
| A9XPH212 | Acti9 COMB BUSBAR 2P 100A 12 MODULES | D-101 |
| A9XPH224 | Acti9 COMB BUSBAR 2P 100A 24 MODULES | D-101 |
| A9XPH257 | Acti9 COMB BUSBAR 2P 100A 57 MODULES | D-101 |
| A9XPH312 | Acti9 COMB BUSBAR 3P 100A 12 MODULES | D-101 |
| A9XPH324 | Acti9 COMB BUSBAR 3P 100A 24 MODULES | D-101 |
| A9XPH357 | Acti9 COMB BUSBAR 3P 100A 57 MODULES | D-101 |
| A9XPH412 | Acti9 COMB BUSBAR 4P 100A 12 MODULES | D-101 |
| A9XPH424 | Acti9 COMB BUSBAR 4P 100A 24 MODULES | D-101 |
| A9XPH457 | Acti9 COMB BUSBAR 4P 100A 57 MODULES | D-101 |
| A9XPH512 | Acti9 COMB BUSBAR 4P REPART. 100A 12 M | D-101 |
| A9XPH518 | Acti9 COMB BUSBAR 4P REPART. 100A 18 M | D-101 |
| A9XPH524 | Acti9 COMB BUSBAR 4P REPART. 100A 24 M | D-101 |
| A9XPH557 | Acti9 COMB BUSBAR 4P REPART. 100A 57 M | D-101 |
| A9XPT920 | SET OF 20 TOOTH CAPS | D-101 |
| A9XPV648 | ACTI9 Comb MCB-Vigi with aux 1PN 48m | D-103 |
| A9XPV748 | ACTI9 Comb MCB-Vigi with aux 3PN 48m | D-103 |
| AZ5CE005 | PACK OF CABLE END 0,5MM2 | C-88, D-114 |
| AZ5CE005D | PACK OF CABLE END 0,5MM2 | C-88, D-114 |
| AZ5CE007 | PACK OF CABLE END 075MM2 | C-88, D-114 |
| AZ5CE007D | PACK OF CABLE END 075MM2 | C-88, D-114 |
| AZ5CE010 | PACK OF CABLE END 1 MM2 | C-88, D-114 |
| AZ5CE010D | PACK OF CABLE END 1 MM2 | C-88, D-114 |
| AZ5CE015 | PACK OF CABLE END 1,5MM2 | C-88, D-114 |
| AZ5CE015D | PACK OF CABLE END 1,5MM2 | C-88, D-114 |
| AZ5CE025 | PACK OF CABLE END 2,5MM2 | C-88, D-114 |
| AZ5CE025D | PACK OF CABLE END 2,5MM2 | C-88, D-114 |
| AZ5DE005 | TWIN CABLE END 0,50MM2 - | C-89, D-115 |
| AZ5DE007 | TWIN CABLE END 0,75MM2 - | C-89, D-115 |

| Com. ref. | Description | Page |
|-----------|--|-------------|
| AZ5DE007D | INSULATED DOUBLE CABLE END MEDIUM SIZE 0 | C-89, D-115 |
| AZ5DE010 | TWIN CABLE END 1,00MM2 - | C-89, D-115 |
| AZ5DE010D | INSULATED DOUBLE CABLE END MEDIUM SIZE 1 | C-89, D-115 |
| AZ5DE015 | TWIN CABLE END 1,5MM2 - | C-89, D-115 |
| AZ5DE015D | INSULATED DOUBLE CABLE END MEDIUM SIZE 1 | C-89, D-115 |
| AZ5DE025 | INSULATED DOUBLE CABLE END MEDIUM SIZE 2 | C-89, D-115 |
| AZ5DE025D | INSULATED DOUBLE CABLE END MEDIUM SIZE 2 | C-89, D-115 |
| AZ5DE0071 | TWIN CABLE END 2*0.75MM2 - | C-89, D-115 |
| AZ5DE0101 | TWIN CABLE END 2*1 MM2 - | C-89, D-115 |
| AZ5DE0151 | TWIN CABLE END 2*1.5 MM2 - | C-89, D-115 |
| AZ5DE0255 | TWIN CABLE END 2*2.5 MM2 - | C-89, D-115 |

D

| | | |
|-----------|--|-------------|
| DZ5CA002 | CABLE ENDS | C-89, D-115 |
| DZ5CA003 | CABLE ENDS | C-89, D-115 |
| DZ5CA005 | CABLE END 0,5 | C-89, D-115 |
| DZ5CA005D | INSULATECABLEEND 0.5 DIN | C-89, D-115 |
| DZ5CA007 | CABLE ENDS | C-89, D-115 |
| DZ5CA007D | INSULATECABLEEND 0.75 DIN | C-89, D-115 |
| DZ5CA010 | CABLE ENDS | C-89, D-115 |
| DZ5CA010D | INSULATECABLEEND 1 DIN | C-89, D-115 |
| DZ5CA015 | CABLE ENDS | C-89, D-115 |
| DZ5CA015D | INSULATECABLEEND 1.5 DIN | C-89, D-115 |
| DZ5CA025 | CABLE ENDS | C-89, D-115 |
| DZ5CA025D | INSULATECABLEEND 2.5 DIN | C-89, D-115 |
| DZ5CA042 | CABLE ENDS | C-89, D-115 |
| DZ5CA042D | INSULATECABLEEND 4 DIN | C-89, D-115 |
| DZ5CA043 | CABLE ENDS | C-89, D-115 |
| DZ5CA062 | CABLE ENDS | C-89, D-115 |
| DZ5CA062D | INSULATECABLEEND 6 DIN | C-89, D-115 |
| DZ5CA063 | CABLE ENDS | C-89, D-115 |
| DZ5CA102 | CABLE ENDS | C-89, D-115 |
| DZ5CA102D | INSULATECABLEEND 10 DIN | C-89, D-115 |
| DZ5CA103 | CABLE ENDS | C-89, D-115 |
| DZ5CA103D | INSULATECABLEEND 10 LG DI | C-89, D-115 |
| DZ5CA162 | CABLE ENDS | C-89, D-115 |
| DZ5CA162D | INSULATECABLEEND 16 DIN | C-89, D-115 |
| DZ5CA163 | CABLE ENDS | C-89, D-115 |
| DZ5CA163D | INSULATECABLEEND 16LG DIN | C-89, D-115 |
| DZ5CA253 | CABLE ENDS | C-89, D-115 |
| DZ5CA253D | INSULATECABLEEND 25 DIN | C-89, D-115 |
| DZ5CA352 | CABLE END 35MM2 - | C-89, D-115 |
| DZ5CA352D | INSULATECABLEEND 35 DIN | C-89, D-115 |
| DZ5CA353 | CABLE END 35MM2 | C-89, D-115 |
| DZ5CA353D | INSULATECABLEEND 35 LG DI - | C-89, D-115 |
| DZ5CA502 | CABLE END 50MM2 - | C-89, D-115 |
| DZ5CA502D | INSULATECABLEEND 50 DIN - | C-89, D-115 |
| DZ5CA503 | CABLE END WITH CLIPIN TAG HOLDER LONG SI | C-89, D-115 |

| Com. ref. | Description | Page |
|--------------|--|-------------|
| DZ5CA503D | INSULATECABLEEND 50 LG DI - | C-89, D-115 |
| DZ5CE002 | CABLE ENDS | C-88, D-114 |
| DZ5CE002L6 | CABLE ENDS | C-88, D-114 |
| DZ5CE003 | CABLE END 0,34 | C-88, D-114 |
| DZ5CE003L6 | CABLE ENDS | C-88, D-114 |
| DZ5CE005 | CABLE ENDS | C-88, D-114 |
| DZ5CE005D | INSULATE CABLE END 0,5ODI | C-88, D-114 |
| DZ5CE005L6 | INSULATED CABLEEND 0,5LG6 | C-88, D-114 |
| DZ5CE005L10D | EMBOUT DE CABLAGE SURMOUL | C-88, D-114 |
| DZ5CE007 | CABLE ENDS | C-88, D-114 |
| DZ5CE007D | INSULATE CABLE END 0,75O | C-88, D-114 |
| DZ5CE007L6 | INSULATED CABLEEND0,75LG6 | C-88, D-114 |
| DZ5CE007L6D | INSULATE CABLE END 0,75O | C-88, D-114 |
| DZ5CE007N | CABLE END UN-INSULATED, 0,75MM2, LENGTH | C-89, D-115 |
| DZ5CE010 | CABLE ENDS | C-88, D-114 |
| DZ5CE010D | INSULATE CABLE END DIN | C-88, D-114 |
| DZ5CE010L6 | INSULATED CABLEEND 1 LG6 | C-88, D-114 |
| DZ5CE010L6D | INSULATE CABLE END 1O L6 | C-88, D-114 |
| DZ5CE010L12 | INSUL.CABLE END 1O LG12MM | C-88, D-114 |
| DZ5CE010L12D | INSULATE CABLE END 1DLG12 | C-88, D-114 |
| DZ5CE010N | CABLE END UN-INSULATED, 1MM2, LENGTH 8MM | C-89, D-115 |
| DZ5CE015 | CABLE ENDS | C-88, D-114 |
| DZ5CE015D | INSULATECABLEEND 1,5D DIN | C-88, D-114 |
| DZ5CE015L6 | INSULATED CABLEEND 1,5L6 | C-88, D-114 |
| DZ5CE015L6D | INSULATE CABLE END 1,5D | C-88, D-114 |
| DZ5CE015N | CABLE END UN-INSULATED, 1,5MM2, LENGTH 8 | C-89, D-115 |
| DZ5CE020 | CABLE ENDS | C-88, D-114 |
| DZ5CE025 | CABLE ENDS | C-88, D-114 |
| DZ5CE025D | INSULATECABLEEND 2,5 DIN | C-88, D-114 |
| DZ5CE025N | CABLE END UN-INSULATED, 2,5MM2, LENGTH 1 | C-89, D-115 |
| DZ5CE040 | CABLE ENDS | C-89, D-115 |
| DZ5CE042 | CABLE ENDS | C-88, D-114 |
| DZ5CE042D | INSULATECABLEEND 4 DIN | C-88, D-114 |
| DZ5CE043 | CABLE ENDS | C-88, D-114 |
| DZ5CE043D | INSULATECABLEEND 4 L18DIN | C-88, D-114 |
| DZ5CE060 | CABLE ENDS | C-89, D-115 |
| DZ5CE060L | CABLE END UN-INSULATED, 6MM2, LENGTH 18M | C-89, D-115 |
| DZ5CE062 | CABLE ENDS | C-88, D-114 |
| DZ5CE062D | INSULATECABLEEND 6 DIN | C-88, D-114 |
| DZ5CE063 | CABLE ENDS | C-88, D-114 |
| DZ5CE063D | INSULATECABLEEND 6L18 DIN | C-88, D-114 |
| DZ5CE100 | CABLE ENDS - | C-89, D-115 |
| DZ5CE102 | CABLE END INSULATED FOR CLIP-IN MARKER, | C-88, D-114 |
| DZ5CE102D | CABLE END INSULATED FOR CLIP-IN MARKER, | C-88, D-114 |
| DZ5CE103 | CABLE END INSULATED FOR CLIP-IN MARKER, | C-88, D-114 |
| DZ5CE0153 | CABLE ENDS | C-88, D-114 |

PrismaSeT P Specific Applications - Index

Index of Commercial References with Description



| Com. ref. | Description | Page |
|-------------------|---|-------------|
| DZ5CE0153D | INSULATECABLEEND1,5 L18DI | C-88, D-114 |
| DZ5CE160 | CABLE ENDS - | C-89, D-115 |
| DZ5CE162 | CABLE END INSULATED FOR CLIP-IN MARKER, | C-88, D-114 |
| DZ5CE162D | CABLE END INSULATED FOR CLIP-IN MARKER, | C-88, D-114 |
| DZ5CE163 | CABLE END INSULATED FOR CLIP-IN MARKER, | C-88, D-114 |
| DZ5CE252 | CABLE END INSULATED FOR CLIP-IN MARKER, | C-88, D-114 |
| DZ5CE253 | CABLE END INSULATED FOR CLIP-IN MARKER, | C-88, D-114 |
| DZ5CE0253 | CABLE ENDS | C-88, D-114 |
| DZ5CE0253D | INSULATECABLEEND2,5L18DIN | C-88, D-114 |
| DZ5CE352 | CABLE END INSULATED FOR CLIP-IN MARKER, | C-88, D-114 |
| DZ5CE352D | CABLE END INSULATED FOR CLIP-IN MARKER, | C-88, D-114 |
| DZ5CE353 | CABLE END INSULATED FOR CLIP-IN MARKER, | C-88, D-114 |
| DZ5CE502 | CABLE END INSULATED FOR CLIP-IN MARKER, | C-88, D-114 |
| DZ5CEB005 | CABLE END BAND 0.5MM2 | C-88, D-114 |
| DZ5CEB005D | CABLE END MEDIUM SIZE 0.5 MM2 WHITE | C-88, D-114 |
| DZ5CEB007 | CABLE END BAND 0.7MM2 - | C-88, D-114 |
| DZ5CEB007D | CABLE END MEDIUM SIZE 0.75 MM2 GREY | C-88, D-114 |
| DZ5CEB010 | CABLE END BAND 1MM2 | C-88, D-114 |
| DZ5CEB010D | CABLE END DIN BAND 1MM2 - | C-88, D-114 |
| DZ5CEB015 | CABLE END BAND 1.5MM2 - | C-88, D-114 |
| DZ5CEB015D | CABLE END MEDIUM SIZE 1.5 MM2 BLACK | C-88, D-114 |
| DZ5CEB025 | CABLE END BAND 2.5MM2 - | C-88, D-114 |
| DZ5CEB025D | CABLE END MEDIUM SIZE 2.5 MMA2 BLUE | C-88, D-114 |

E

| | | |
|------------------|-----------------------------------|-------|
| EZ9XPC04 | Easy9 Comb Busbar 1P 4 connectors | D-104 |
| EZ9XPE210 | Easy9 Comb Busbar 10 End Cap 2P | D-104 |
| EZ9XPE310 | Easy9 Comb Busbar 10 End Cap 3P | D-104 |
| EZ9XPH112 | Easy9 Comb busbar 1P 12 modules | D-104 |
| EZ9XPH157 | Easy9 Comb busbar 1P 57 modules | D-104 |
| EZ9XPH212 | Easy9 Comb busbar 2P 12 modules | D-104 |
| EZ9XPH257 | Easy9 Comb busbar 2P 57 modules | D-104 |
| EZ9XPH312 | Easy9 Comb busbar 3P 12 modules | D-104 |
| EZ9XPH357 | Easy9 Comb busbar 3P 57 modules | D-104 |

G

| | | |
|----------------|---------------------------|------|
| GS1AP33 | TERMINALCOVER 3X100-160A | D-70 |
| GS1AP34 | TERMINALCOVER 4X100TO160A | D-70 |
| GS1AP43 | TERMINAL COVER 3X250A | D-70 |
| GS1AP44 | TERMINAL COVER 4X250A | D-70 |

L

| | | |
|---------------|----------------------------------|-------|
| LG4230 | PLATE WITH RJ45 FEMALE CONNECTOR | D-106 |
|---------------|----------------------------------|-------|

| Com. ref. | Description | Page |
|------------------|--|--|
| LG4231 | PLATE WITH 8P AUXILIARY CONNECTORS | D-106 |
| LG4112510 | SCREW DISTRIBUTION BLOCK 1P 125A 10HOLES | D-98 |
| LG4116013 | SCREW DISTRIBUTION BLOCK 1P 160A 13HOLES | D-98 |
| LG4125014 | SCREW DISTRIBUTION BLOCK 1P 250A 14HOLES | D-98 |
| LG410028 | SCREW DISTRIBUTION BLOCK 4P 100A 28HOLES | D-98 |
| LG412548 | SCREW DISTRIBUTION BLOCK 4P 125A 48HOLES | D-98 |
| LG412560 | SCREW DISTRIBUTION BLOCK 4P 125A 60HOLES | D-98 |
| LG416048 | SCREW DISTRIBUTION BLOCK 4P 160A 48HOLES | D-98 |
| LGYN1007 | ADDITIONAL NEUTRAL BAR FOR SBL N 100A 7H | D-98 |
| LGYN12512 | ADDITIONAL NEUTRAL BAR FOR SBL N 125A 12 | D-98 |
| LGYN12515 | ADDITIONAL NEUTRAL BAR FOR SBL N 125A 15 | D-98 |
| LV426912 | Long terminal shield 3P IEC/UL dis | C-23, D-55 |
| LV426913 | Long terminal shield 4P IEC/UL Dis and V | C-23, D-55 |
| LV429235 | 2 SHORT REAR CONNECTIONS | C-22, D-52, D-53, D-54, D-57 |
| LV429236 | 2 LONG REAR CONNECTIONS | C-22, D-52, D-53, D-54, D-57 |
| LV429306 | 1 CONNECTIONS ADAPTER 3P FOR PLUG IN BAS | D-53 |
| LV429307 | 1 CONNECTIONS ADAPTER 4P FOR PLUG IN BAS | D-53 |
| LV429358 | ACCESSORY FOR SOURCECHANGEOVER SWITCH DO | D-66, D-67 |
| LV429359 | ACCESSORY FOR SOURCECHANGEOVER SWITCH DO | D-66, D-67 |
| LV429515 | 1 3P SHORT TERMINAL SHIELD | C-22, D-52, D-53, D-54, D-66, D-67 |
| LV429516 | 1 4P SHORT TERMINAL SHIELD | C-22, D-52, D-53, D-54, D-66, D-67 |
| LV429517 | 1 3P LONG TERMINAL SHIELD | C-22, D-52, D-53, D-54, D-66, D-67 |
| LV429518 | 1 4P LONG TERMINAL SHIELD | C-22, D-52, D-53, D-54, D-57, D-66, D-67 |
| LV432475 | 2 SHORT REAR CONNECTIONS | C-22, D-52, D-53, D-54, D-57 |
| LV432476 | 2 LONG REAR CONNECTIONS | C-22, D-52, D-53, D-54, D-57 |
| LV432516 | 3P PLUG-IN BASE | D-57 |
| LV432584 | CB PLUG IN BASE CONNECTION ADAPTER 1 | D-53 |
| LV432585 | 1 CONNECTIONS ADAPTER 4P FOR PLUG IN BAS | D-53 |
| LV432591 | 1 3P SHORT TERMINAL SHIELD. | D-52, D-53, D-54, D-66, D-67 |

PrismaSeT P Specific Applications - Index

Index of Commercial References with Description

| Com. ref. | Description | Page |
|-----------|--|------------------------------------|
| LV432592 | 1 4P SHORT TERMINAL SHIELD | D-52, D-53, D-54, D-57, D-66, D-67 |
| LV432593 | 1 3P LONG TERMINAL SHIELD | D-52, D-53, D-54, D-66, D-67 |
| LV432594 | 1 4P LONG TERMINAL SHIELD | D-52, D-53, D-54, D-57, D-66, D-67 |
| LV432595 | 1 3P LONG TERMINAL SHIELD FOR SPREADER | D-66, D-67 |
| LV432596 | 1 4P LONG TERMINAL SHIELD FOR SPREADER | D-66, D-67 |
| LV432619 | ACCESSORY FOR SOURCECHANGEOVER SWITCH DO | D-66, D-67 |
| LV432620 | ACCESSORY FOR SOURCECHANGEOVER SWITCH DO | D-66, D-67 |
| LV432621 | ROTARY HANDLE MECHANICAL INTERLOCKING N | D-66 |
| LV434690 | NSX400-630 Power Filter 4P 690VAC, 1 p. | C-22 |
| LV435690 | NSX400-630 3P Power Filters 690VAC (C2) | C-22 |
| LV480756 | TERMINAL COVERS X2 | D-69 |
| LV480811 | ISFT160 FEEDING BUSBAR FOR 2 DEVICES | D-69 |
| LV480812 | ISFT160 FEEDING BUSBAR FOR 3 DEVICES | D-69 |
| LV480813 | ISFT160 FEEDING BUSBAR FOR 4 DEVICES | D-69 |
| LV480814 | ISFT160 DISTRIBUTION CON 3 x 16MM | D-69 |
| LV480818 | ISFT160 Feeding clamp 25 -95mm2 | D-69 |
| LV480819 | ISFT160 TERMINAL SHIELDS | D-69 |
| LV480824 | ISFT250 TERMINAL SHIELDS | D-69 |
| LV480827 | ISFT400TERMINAL SHIELDS | D-69 |
| LV480831 | ISFT630 TERMINAL SHIELDS | D-69 |
| LV480854 | KIT FOR DIRECT MOUNTING 185MM | D-68 |
| LV480868 | SIDEFRAME DOOR CUT OUT - 850 MM | D-68 |
| LV480869 | SIDEWISE ANGLE BRACKET FOR SIDE FRAME X | D-68 |
| LV480870 | LENGHT ADAPTOR AND IDENT. LABEL HOLDER | D-68 |
| LVS01005 | 10 BLACK LINE L900 STICKERS | C-61, D-23 |
| LVS01006 | 10 BLACK ARROW OUT. STICKERS | C-61, D-23 |
| LVS01007 | 10 BLACK ARROW INC. STICKERS | C-61, D-23 |
| LVS01008 | 10 BLACK TRANSFORMER STICKERS | C-61, D-23 |
| LVS01094 | 1/4 T LOCKING FRONT PLATE 2by10 | C-104, D-126 |
| LVS01101 | IP55 DOOR BACK ACCESS.SYST.P | C-104, D-126 |
| LVS01102 | IP55 SIDE PANEL ACCESS SYST.P | C-105, D-127 |
| LVS01103 | IP55 ROOF ACCESS. SYST.P | C-105, D-127 |
| LVS01104 | FRAMEWORK ACCESS.SYST.P | C-104, D-126 |
| LVS01109 | 12 LINERGY LGY BUSBAR STOPS | D-83 |
| LVS01110 | PLN.WICKET.DOOR P W150 | C-104, D-71, D-126 |

| Com. ref. | Description | Page |
|-----------|--------------------------------------|--|
| LVS01114 | REINFORCED DOOR STRIKER PrismaSeT P | C-52, C-55, C-106, D-16, D-128 |
| LVS01119 | FRAME BOT. CROSS MEMBER L400 | C-106, D-128 |
| LVS01120 | FRAME BOT. CROSS MEMBER L650 | C-106, D-128 |
| LVS01121 | FRAME BOT.CROSS MEMBER L150 ET 650 | C-106, D-128 |
| LVS01122 | FRAME BOT.CROSS MEMBER L650 ET 150 | C-106, D-128 |
| LVS01123 | FR.PL.SUP.STRICKER KIT SYSTEM P | C-105, D-127 |
| LVS01130 | LINERGY LGYE BUSBAR SCREW PLATE KIT | C-74, C-104, D-85, D-126 |
| LVS01198 | PRISMA PRISMA ET | C-105, D-127 |
| LVS01199 | PRISMA PRISMA PLUS CUB.ASSOC. | C-105, D-127 |
| LVS01202 | 4 IPxxB COVERS LINERGY FM 200 | C-81, D-97 |
| LVS01215 | 5x RECTANGULAR GROMMETS 70x40 | C-66, D-28 |
| LVS01219 | ROTATIVE HANDLE + ROD FOR PRISMA P | C-106, D-128 |
| LVS01224 | IP30 REINFORCED PLAIN DOOR IK10 W650 | C-52, D-16 |
| LVS01225 | IP30 REINFORCED PLAIN DOOR IK10 W800 | C-52, D-16 |
| LVS03152 | M.PLATE FOR 2 3P-METERS | C-35, D-75 |
| LVS03164 | 20 M4 CLIP-NUTS MOD.DEV.RAILS | C-63, D-25 |
| LVS03165 | 20 M5 CLIP NUTS MOD.DEV.RAILS | C-63, D-25 |
| LVS03166 | 20 M6 CLIP-NUTS MOD.DEV.RAILS | C-63, D-25 |
| LVS03180 | 20 SLOTTED M.PL. M4 CLIP-NUTS | C-63, D-25 |
| LVS03181 | 20 SLOTTED M.PL. M5 CLIP-NUTS | C-63, D-25 |
| LVS03182 | 20 SLOTTED M.PL. M6 CLIP-NUTS | C-63, D-25 |
| LVS03185 | 4 HEXAGONAL SPACERS M5 H9 | C-63, D-25 |
| LVS03186 | 4 HEXAGONAL SPACERS M5 H23 | C-63, D-25 |
| LVS03187 | 4 HEXAGONAL SPACERS M5 H55 | C-63, D-25 |
| LVS03194 | 20 HEXA.SPACER M6 CAPTIVE NUTS | C-63, D-25 |
| LVS03195 | 4 HEXAGONAL SPACERS M6 H9 | C-63, D-25 |
| LVS03196 | 4 HEXAGONAL SPACERS M6 H23 | C-63, D-25 |
| LVS03197 | 4 HEXAGONAL SPACERS M6 H55 | C-63, D-25 |
| LVS03198 | 4 HEXAGONAL SPACERS M6 H25 | C-63, D-25 |
| LVS03199 | 4 HEXAGONAL SPACERS M8 H40+10 | C-63, D-25 |
| LVS03202 | MODULAR FR.PL P&G W600/650 2M | C-38, D-78 |
| LVS03203 | MODULAR FRONT PLATE W600/ W650 3M | C-32, C-33, C-38, D-72, D-73, D-78 |
| LVS03204 | MODULAR FR.PL P&G W600/650 4M | C-33, C-34, D-73, D-74 |
| LVS03205 | MODULAR FR.PL P&G W600/650 5M | C-32, C-34, D-72, D-74 |
| LVS03213 | MODULAR FR.PL P&G W300 3M | C-33, D-73 |
| LVS03214 | MODULAR FR.PL P&G W300 4M | C-33, C-34, D-73, D-74 |
| LVS03220 | BLANKING STRIP L1000 | C-33, C-34, C-38, C-61, D-23, D-73, D-74, D-78 |

PrismaSeT P Specific Applications - Index

Index of Commercial References with Description

| Com. ref. | Description | Page | Com. ref. | Description | Page |
|-----------|--|--|-----------|--|---|
| LVS03221 | 4 DIVISIBLE BLANKING PLATES W90 | C-33, C-34, C-38, C-61, D-23, D-73, D-74, D-78 | LVS03413 | MOUNT.PL NSX/CVS PLUGIN -3P 250A HZ W650 | D-53, D-54 |
| LVS03223 | 3 MOD.ROWS FR.PL P&G W600/650 8M | C-33, D-73 | LVS03414 | MOUNT.PL NSX/CVS PLUGIN -4P 250A HZ W650 | D-53, D-54 |
| LVS03248 | FR.PL INS250 V. P&G W600/W650 5M | D-57 | LVS03416 | M. plate NSXm+FC 3/4P 160A VERT. L650 | D-90 |
| LVS03274 | FR.PL INS630 V. P&G W600/W650 10M | D-57 | LVS03417 | M.PL.HZ.NS250 C/O MOT.OR UA/BA | C-25, C-26, C-27, C-28, C-29, C-30, C-31, D-59, D-60, D-61, D-62, D-63, D-64, D-65, D-67 |
| LVS03308 | FRONT PL. GS32 3P/4P W600 HZ/VT 3M | D-70 | LVS03420 | M.PL.3-4V.FIXED NS-INS250 TOG. | D-57, D-88 |
| LVS03309 | FRONT PL. GS63-160 3P/4P W600 HZ/VT 5M | D-70 | LVS03422 | M.PL.3-4V.FIXED NS250 DEVICES | D-88 |
| LVS03320 | FRONT PLATE ISFT 100 VERTIC W600/W650 6M | D-69 | LVS03423 | M.PL.3 4 V.WITHD.NS250 POLYP. | D-88 |
| LVS03321 | FRONT PLATE ISFT 160 VERTIC W600/W650 6M | D-69 | LVS03449 | 690V MOUNT.PL NSX TOGGLE-3P 630A HZ W650 | C-22 |
| LVS03322 | FRONT PLATE ISFT 250 VERTICAL W650 9M | D-69 | LVS03450 | 690V MOUNT.PL NSX TOGGLE-4P 630A HZ W650 | C-22 |
| LVS03323 | FRONT PLATE ISFT 400 VERTICAL W650 9M | D-69 | LVS03451 | MOUNT.PL NSX/CVS.TOGGLE -3P 630A HZ W650 | D-52 |
| LVS03324 | FRONT PLATE ISFT 630 VERTICAL W650 8M | D-69 | LVS03452 | MOUNT.PL NSX/CVS.TOGGLE -4P 630A HZ W650 | D-52, D-57 |
| LVS03325 | FRONT PLATE ISFT100N VERTIC W600/W650 8M | D-69 | LVS03453 | MOUNT.PL NSX/CVS PLUGIN -3P 630A HZ W650 | D-53, D-54 |
| LVS03330 | FR. PLATE NSXm/VIGI/SDx HZ.TOG. W600 3M | C-23, D-55 | LVS03454 | MOUNT.PL NSX/CVS PLUGIN -4P 630A HZ W650 | D-53, D-54 |
| LVS03331 | FR. PLATE NSXm/VIGI/SDx HZ.ROT. W600 3M | C-23, D-55 | LVS03457 | MOUNT.PL CHANGEOVER NSX/INS 630 MOT.HORZ | D-67 |
| LVS03342 | TRANSP.FR.PL P&G W600/W650 4M | C-32, C-38, C-62, D-24, D-72, D-78 | LVS03458 | MOUNT.PL CHANGEOVER NSX/INS 630 ROT.HORZ | D-66 |
| LVS03343 | TRANSP.FR.PL P&G W600/W650 6M | C-35, C-62, D-24, D-75 | LVS03461 | MOUNT.PL 2 NSX/CVS/INS -3P/4P 630A VERT. | D-57 |
| LVS03344 | TRANSP.FR.PL P&G W600/W650 9M | C-35, C-62, D-24, D-75 | LVS03480 | MOUNT.PL NS FIXED -3P/4P 1000A HZ.W650 | D-49 |
| LVS03345 | TRANSP.FR.PL P&G W600/W650 12M | C-62, D-24 | LVS03482 | MOUNT.PL NS FIXED -3P/4P 1600A VERT.W650 | D-47, D-48 |
| LVS03346 | FRONT PLATE HORI GS 250A 7M W650 | D-70 | LVS03483 | M.PL V.WITHD NT-MTZ1/NS 3P/4P 1600A W650 | C-16, C-17, C-29, C-30, C-31, D-42, D-43, D-47, D-48, D-63, D-64, D-65 |
| LVS03347 | FRONT PLATE HORI GS 400A 8M W650 | D-70 | LVS03484 | M.PL V.FIXED MTZ1/NT 3P/4P 1600A W650 | C-16, C-17, C-29, C-30, C-31, D-42, D-43, D-63, D-64, D-65 |
| LVS03349 | FRONT PLATE VERT GS 250-400A 6M W650 | D-70 | LVS03487 | MOUNT.PL NS FIXED -3P/4P 1600A VERT.W400 | D-50 |
| LVS03352 | TRANSP.FR.PL P&G W300 4M | C-62, D-24 | LVS03488 | M.PL V. WITHD NS-MTZ1/NT 3P 1600A W400 | C-18, D-44, D-50 |
| LVS03353 | TRANSP.FR.PL P&G W300 6M | C-62, D-24 | LVS03489 | M.PL V. FIXED MTZ1/NT 3P 1600A W400 | C-18, D-44 |
| LVS03354 | TRANSP.FR.PL P&G W300 9M | C-62, D-24 | LVS03500 | M.PL V.FIXED/WITHD MTZ2/NW 3P/4P W650 | C-8, C-10, C-12, C-14, C-25, C-26, C-27, C-28, C-36, D-38, D-40, D-41, D-59, D-60, D-61, D-62 |
| LVS03401 | W650 MODULAR DEVICE RAIL PRISMA P | C-32, C-33, C-34, C-38, C-65, D-27, D-72, D-73, D-74, D-78 | LVS03501 | M.PL NS3200 INS-INV2500 FIXED VERTICAL | D-46, D-56 |
| LVS03402 | W650 ADJUSTABLE MOD. DEV. RAIL PRISMA P | C-32, C-38, C-65, C-84, D-27, D-72, D-74, D-78, D-110 | LVS03508 | M.PL.FOR 2 3PH METERS 6M | C-35, D-75 |
| LVS03404 | W400 ADJUSTABLE MOD. DEV. RAIL PRISMA P | C-33, C-34, C-38, D-73, D-74, D-78 | | | |
| LVS03409 | MOUNT.PL NSXm TOGGLE/ROT-3P/4P HORZ.W650 | C-23, D-55 | | | |
| LVS03411 | MOUNT.PL NSX/CVS.TOGGLE -3P 250A HZ W650 | C-22, D-52 | | | |
| LVS03412 | MOUNT.PL NSX/CVS.TOGGLE -4P 250A HZ W650 | C-22, D-52, D-57 | | | |



PrismaSeT P Specific Applications - Index

Index of Commercial References with Description

| Com. ref. | Description | Page |
|-----------|--------------------------------------|---|
| LVS03545 | M.PL.100MM B CENTRES ISFL160 | D-68 |
| LVS03546 | M.PL.185MM B CENTRES ISFL630 | D-68 |
| LVS03554 | M.PL.ISFT100 | D-69 |
| LVS03555 | M.PL BUSBAR ISFT 100N 160 | D-69 |
| LVS03556 | M.PL.ISFT160 | D-69 |
| LVS03557 | M.PL.ISFT630 | D-69 |
| LVS03559 | M. PL GS 3P/4P 32A H+V W650 | D-70 |
| LVS03560 | M.PL GS 3P/4P 63-100-160A HORZ W650 | D-70 |
| LVS03561 | CANALIS SUPPORT | C-10, C-17, D-38, D-43, D-48 |
| LVS03563 | M. PL GS 63-160A VERT W650 | D-70 |
| LVS03564 | M. PL GS 250A HORI W650 | D-70 |
| LVS03565 | M. PL GS 250A VERT W650 | D-70 |
| LVS03566 | M. PL GS 400A HORI W650 | D-70 |
| LVS03567 | M. PL GS 400A VERT W650 | D-70 |
| LVS03569 | W800 PLAIN BACKPLATE 36M | C-64, D-26 |
| LVS03570 | PLAIN BACKPLATE 36M W650 | C-64, D-26 |
| LVS03571 | SLOTTED MOUNTING PLATE 4MODULES | C-32, C-65, D-27, D-72 |
| LVS03572 | SLOTTED MOUNTING PLATE 6MODULES | C-32, C-65, D-27, D-72 |
| LVS03574 | SLOTTED MOUNTING PLATE 12M | C-65, D-27 |
| LVS03580 | 4 ANGLE BRACKETS ET | C-63, D-25 |
| LVS03581 | 2 UNIVERSAL ANGLE BRACKETS | C-63, C-65, C-84, D-25, D-27, D-110 |
| LVS03582 | 6 UNIVERSAL INSERTS SYST.P | C-63, D-25 |
| LVS03583 | 6 UNIVERSAL ANGLE BRACKETS | C-63, C-95, D-25, D-121 |
| LVS03584 | 2 SIDE.CROSS-MEMBERS W400 D400 | C-13, C-58, C-67, C-84, D-20, D-29, D-110 |
| LVS03586 | 2 SIDE.CROSS-MEMBERS W200 D600 | C-13, C-58, C-67, D-20, D-29 |
| LVS03587 | 2LONGITUDINAL CROSS-MBERS W650 | C-58, C-67, D-20, D-29 |
| LVS03590 | REAR MODULAR DEVICE RAIL W650 | C-65, D-27 |
| LVS03593 | 2 SLIDE RAILS+ANGLE BRACKETS | C-64, D-26 |
| LVS03595 | SYSTEM G ADAPTER W500 | C-35, D-75 |
| LVS03604 | FR.PL VIG.NSX.TOG/RT-3P 250 HZ P 3M | C-22, D-52, D-53, D-54 |
| LVS03606 | FR.PL VIG.NSX.TOG/RT-4P 250 HZ P 4M | C-22, D-52, D-53, D-54 |
| LVS03616 | FR.PL HZ.NS250 C/OVER MOT P | D-67 |
| LVS03617 | FR.PL HZ.INS250 P | D-57 |
| LVS03620 | FR.PL 3-4 V.INS250 DEVICES P | D-57 |
| LVS03643 | FR.PL VIG.NSX.TOG/RT-3P 630 HZ P 4M | C-22, D-52, D-53, D-54 |
| LVS03644 | FR.PL VIG.NSX.TOG/RT -4P 630 HZ P 4M | C-22, D-52, D-53, D-54 |
| LVS03656 | FR.PL HZ.NS630 C/OVER MOT P | D-67 |
| LVS03658 | FR.PL HZ.INS630 P | D-57 |
| LVS03659 | FR.PL HZ.NS-INS630 C/OVER RT P | D-66 |

| Com. ref. | Description | Page |
|-----------|----------------------------------|--|
| LVS03671 | FR.PL UA/BA P 4M | C-25, C-26, C-27, C-28, C-29, C-30, C-31, D-59, D-60, D-61, D-62, D-63, D-64, D-65, D-67 |
| LVS03687 | FR.PL HZ.FIX.NS1600 TOG/RT.4P P | D-49 |
| LVS03690 | FR.PL V.FIX.NS1600 P | D-47, D-48 |
| LVS03691 | FR.PL WITHD.NS-MTZ1/NT P | C-16, C-17, C-29, C-30, C-31, D-42, D-43, D-47, D-48, D-63, D-64, D-65 |
| LVS03692 | FR.PL V.FIX.MTZ1/NT P | C-16, C-17, C-29, C-30, C-31, D-42, D-43, D-63, D-64, D-65 |
| LVS03697 | FR.PL.V.FIX.NS1600 3 4P W400 | D-50 |
| LVS03698 | FR.PL V.FIX.MTZ1/NT 3P P W400 | C-18, D-44 |
| LVS03699 | FR.PL WITHD.NS-MTZ1/NT 3P P W400 | C-18, D-44, D-50 |
| LVS03701 | FR.PL V.FIX.MOT.NS1600 P | D-47, D-48 |
| LVS03709 | FR.PL DEDICATED MTZ2/NW | C-14, D-40, D-41 |
| LVS03710 | FR.PL WITHD.MTZ2/NW P | C-8, C-10, C-12, C-14, C-25, C-26, C-27, C-28, D-36, D-38, D-40, D-59, D-60, D-61, D-62 |
| LVS03711 | FR.PL FIX.MTZ2/NW P | C-8, C-10, C-12, C-25, C-26, C-27, C-28, D-36, D-38, D-59, D-60, D-61, D-62 |
| LVS03713 | FR.PL INS1600 3P P | D-56 |
| LVS03714 | FR.PL INS1600 4P P | D-56 |
| LVS03715 | FR.PL INS2500 3P/4P P | D-56 |
| LVS03716 | FR.PL NS3200 P | D-46 |
| LVS03722 | HINGED FR.PL.13M W400 | C-18, C-62, D-24, D-44, D-50 |
| LVS03723 | HINGED FR.PL HSI P W400 13M | C-18, D-44, D-50 |
| LVS03735 | IP20 FRONT ISFL 185MM BCW650 | D-68 |
| LVS03736 | FR.PL.ISFL160 | D-68 |
| LVS03740 | BLANKING PLATE ISFL 160 | D-68 |
| LVS03741 | BLANKING PLATE ISFL 630 | D-68 |
| LVS03801 | PLAIN FRONT PLATE W600/W650 1M | C-16, C-30, C-32, C-62, D-24, D-42, D-57, D-70, D-64, , D-72 |

PrismaSeT P Specific Applications - Index

Index of Commercial References with Description



| Com. ref. | Description | Page | Com. ref. | Description | Page |
|-----------|--|---|-----------|--|------------------------------------|
| LVS03802 | PLAIN FRONT PLATE W600/W650 2M | C-12, C-14, C-16, C-29, C-31, C-62, D-24, D-40, D-42, D-46, D-47, D-57, D-69, D-63, D-65, | LVS03902 | SUPP.CUT-OUT 72X72MET.DEV/PB 03904/03928 | C-18, C-37, D-44, D-50, D-77 |
| LVS03803 | PLAIN FRONT PLATE W600/W650 3M | C-10, C-12, C-16, C-17, C-29, C-30, C-31, C-32, C-62, C-84, D-24, D-38, D-42, D-43, D-47, D-48, D-56, D-63, D-64, D-65, D-72, D-110 | LVS03903 | SUPP.CUT-OUT 96X96MET.DEV/PB 03904/03928 | C-18, C-37, D-44, D-50, D-77 |
| LVS03804 | PLN.FR.PL P&G W600/W650 4M | C-8, C-10, C-14, C-16, C-17, C-25, C-27, C-29, C-31, C-32, C-38, C-62, D-24, D-36, D-38, D-40, D-41, D-42, D-43, D-46, D-47, D-48, D-56, D-59, D-61, D-63, D-65, D-72, D-78 | LVS03904 | FR.PL 72 ² -96 ² C/OUT MET.DEV P&G W600 3M | C-36, C-37, D-76, D-77 |
| LVS03805 | PLN.FR.PL P&G W600/W650 5M | C-8, C-10, C-14, C-17, C-25, C-26, C-27, C-32, C-62, C-84, D-24, D-36, D-38, D-40, D-43, D-48, D-59, D-60, D-61, D-72, D-110 | LVS03907 | SUPPORT 72X72 MET.DEV/PB FOR 03910/03912 | C-37, D-77 |
| LVS03806 | PLN.FR.PL P&G W600/W650 6M | C-14, C-17, C-25, C-26, C-27, C-28, C-32, C-35, C-62, C-84, D-24, D-40, D-43, D-46, D-48, D-59, D-60, D-61, D-62, D-72, D-75, D-110 | LVS03908 | SUPPORT 96X96 MET.DEV/PB FOR 03911/03913 | C-37, D-77 |
| LVS03808 | PLN.FR.PL P&G W600/W650 12M | C-12, C-62, D-24 | LVS03910 | FR.PL 72 ² 6.C/OUT MET.DEV P&G W600 3M | C-36, C-37, D-76, D-77 |
| LVS03811 | PLN.FR.PL P&G W300 1M | C-34, C-62, D-24, D-74 | LVS03911 | FR.PL 96 ² 3.C/OUT MET.DEV P&G W600 3M | C-36, C-37, C-38, D-76, D-77, D-78 |
| LVS03812 | PLN.FR.PL P&G W300 2M | C-62, D-24 | LVS03913 | FR.PL 96 ² 1 C/OUT MET.DEV P&G W600 3M | C-36, C-37, C-38, D-76, D-77, D-78 |
| LVS03813 | PLN.FR.PL P&G W300 3M | C-62, D-24 | LVS03914 | FR.PL 12.PB/LAMPS P&G W600/W650 2M | C-36, C-37, D-76, D-77 |
| LVS03814 | PLN.FR.PL P&G W300 4M | C-38, C-62, D-24, D-78 | LVS03923 | FR.PL. 1 PRE CUT-OUT 96x96 W300 3M | C-37, C-38, D-77, D-78 |
| LVS03815 | PLN.FR.PL P&G W300 5M | C-62, D-24 | LVS03928 | VISOR 30 ² .MET.DEV/PB 72 ² /96 ² P&G | C-36, C-37, D-76, D-77 |
| LVS03816 | PLN.FR.PL P&G W300 6M | C-62, D-24 | LVS03930 | MOUNTING PLATE VIGILOHM XM200-300C | C-38, D-78 |
| LVS03817 | PLN.FR.PL P&G W300 9M | C-62, D-24 | LVS03932 | FR.PL VIGILO XM200-300C P W650 6M | C-38, D-78 |
| LVS03900 | SUPPORT 72X72 MET.DEV/PB FOR 03904/03928 | C-18, C-37, D-44, D-77 | LVS03970 | DOOR.CAPACITORS P W650 | D-71 |
| LVS03901 | SUPPORT 96X96 MET.DEV/PB FOR 03904/03928 | C-18, C-37, D-44, D-50, D-77 | LVS03979 | VARPLUSCAN HORIZONTAL MOUNTING PLATE | D-71 |
| | | | LVS04004 | MULTICLIP 4P ROW DIST BLOCK 80A 24M 44H | C-81, D-97 |
| | | | LVS04008 | LINERGY FM 4P DIST.BLOCK 63A 12M 20HOLES | C-81, D-97 |
| | | | LVS04012 | LINERGY FM 2P DIS.BLOCK 200A 24M 24HOLES | C-81, D-97 |
| | | | LVS04013 | LINERGY FM 3P DIS.BLOCK 200A 24M 42HOLES | C-81, D-97 |
| | | | LVS04014 | LINERGY FM 4P DIS.BLOCK 200A 24M 54HOLES | C-81, D-97 |
| | | | LVS04018 | LINERGY FM 4P DIS.BLOCK 160A 12M 27HOLES | C-81, D-97 |
| | | | LVS04024 | 4P CONN.LIN.BS STAGE BB/LIN.FM D.BLK200A | C-80, D-96 |
| | | | LVS04026 | LINERGY FM 4P DIS.BLOCK 200A 36M 81HOLES | C-81, D-97 |
| | | | LVS04029 | 4 CONN.LIN.BS REAR BB/LIN.FM D.BLK 200A | C-80, D-96 |
| | | | LVS04030 | 4 CONN. NG160/LINERGY FM DIST. BLK 160A | C-80, D-96 |
| | | | LVS04031 | LINERGY DX 1P DIST.BLOCK 160A 4M 6HOLES | C-79, D-94 |
| | | | LVS04033 | LINERGY DP 3P D.BLK/COMPACT 250A 27HOLES | D-86 |
| | | | LVS04034 | LINERGY DP 4P D.BLK/COMPACT 250A 36HOLES | D-86 |
| | | | LVS04038 | LINERGY DP for NSXm 3P 160A | C-23, D-55, C-75, D-87 |
| | | | LVS04039 | LINERGY DP for NSXm 4P 160A | C-23, C-75, D-55 |
| | | | LVS04040 | Linery DX 4P 63A 24 holes top | D-94 |
| | | | LVS04041 | Linery DX 4P 63A 24 holes bottom | D-94 |

PrismaSeT P Specific Applications - Index

Index of Commercial References with Description

| Com. ref. | Description | Page |
|-----------|---|-------------------------|
| LVS04045 | LINERGY DX 4P DIST.BLOCK 125A 6M 52HOLES | C-78, D-94 |
| LVS04046 | LINERGY DX 4P D.BLK/NG160 160A 6M 52HOLE | C-78, D-94 |
| LVS04047 | 4 CONN.NG125/LINERGY DX DIST. BLOCK 125A | C-78, D-94 |
| LVS04149 | CONNECTION 160A 4P L380 / LINERGY DX 1P | C-79, D-94 |
| LVS04155 | ADDITIONAL BLK 2X35 ² 3P/ LINERGY DP 250A | D-86 |
| LVS04156 | ADDITIONAL BLK 2X35 ² 4P/ LINERGY DP 250A | D-86 |
| LVS04200 | EARTH BAR 35 ² /40 CLAMPS L450 LINERGY TB | C-82, D-108 |
| LVS04201 | 12X3MM DIR.EARTH BAR 35 ² L330 LINERGY TB | C-82, D-108 |
| LVS04202 | 2 EARTH BAR 35 ² /20 CLAMP L200 LINERGY TB | C-82, D-108 |
| LVS04205 | 2 EARTH BAR MOD.DEV.RAIL SUP. | C-82, D-108 |
| LVS04210 | 2 INSULAT.SPACERS/NEUTRAL BAR LINERGY TB | C-82, D-108 |
| LVS04214 | 4 EARTH BLK 12X4 ² TERM.CLAMP LINERGY TB | C-82, D-108 |
| LVS04215 | 4 EARTH BLK 3X16 ² TERM.CLAMP LINERGY TB | C-82, D-108 |
| LVS04224 | 5 PRACTIC RAISERS | C-63, D-25 |
| LVS04226 | 2 MODULAR DEVICE RAILS L1600 | C-65, C-84, D-27, D-110 |
| LVS04227 | RAIL AND RAISERS MODULAR | D-74 |
| LVS04229 | 20 TAB CONN.M10 VOLT.TAP-OFFS | C-74, D-85 |
| LVS04233 | TRUNKING DOOR L2000 | C-66, D-28 |
| LVS04234 | 10 WIRING THROUGH FR.GROMMETS | C-66, D-28 |
| LVS04235 | WIRING TO DOOR FLEX.TRUNKING | C-66, D-28 |
| LVS04239 | 12 HZ.CABLE STRAPS | C-66, D-28 |
| LVS04243 | 4 COVERS HZ.CABLE STRAPS | C-66, D-28 |
| LVS04255 | 12 HZ.TRUNKING SUPPORTS | C-66, D-28 |
| LVS04256 | 10 HZ. ADJUSTABLE TRUNKING SUP | C-66, D-28 |
| LVS04257 | 4HZ.TRUNKING SECTIONS L450+SUP | C-66, D-28 |
| LVS04267 | VERTICAL TRUNKING L2000 | C-66, D-28 |
| LVS04403 | LINERGY FC D.BLK /NSX250 3P TOG/ FIX+CONN | D-88 |
| LVS04404 | LINERGY FC D.BLK /NSX250 4P TOG/ FIX+CONN | D-57, D-88 |
| LVS04405 | LINERGY FC D.BLK /NSX250 3P WITH CONN | D-88 |
| LVS04406 | LINERGY FC D.BLK /NSX250 4P WITH CONN | D-88 |
| LVS04407 | LINERGY FC D.BLK /NSX250 3P WITHOUT CONN | D-88 |
| LVS04408 | LINERGY FC D.BLK /NSX250 4P WITHOUT CONN | D-57, D-88 |
| LVS04410 | LINERGY FC NSXm160 3P MAN/ FIX+CON | D-90 |
| LVS04411 | LINERGY FC NSXm160 4P MAN/ FIX+CON | D-90 |
| LVS04412 | LINERGY FC NSXm160 3P AVEC CON | D-90 |
| LVS04413 | LINERGY FC NSXm160 4P AVEC CON | D-90 |
| LVS04416 | LINERGY FC NSXm160 3P + LIAISONS | D-90 |
| LVS04417 | LINERGY FC NSXm160 3P + TRESSES | D-90 |

| Com. ref. | Description | Page |
|-----------|--|--------------------------------------|
| LVS04418 | LINERGY FC NSXm160 3P S/S LIAISON | D-90 |
| LVS04419 | LINERGY FC NSXm160 3P SANS CON | D-90 |
| LVS04420 | LINERGY FC NSXm160 4P SANS CON | D-90 |
| LVS04423 | CONNECTION NSX TOGGLE-3P 250A FIXED HORZ | D-52 |
| LVS04424 | CONNECTION NSX TOGGLE-4P 250A FIXED HORZ | D-52 |
| LVS04425 | CONN.TRANSF. NSX TOG -3P 250A FIXED HORZ | C-22, D-52 |
| LVS04426 | CONN.TRANSF. NSX TOG -4P 250A FIXED HORZ | C-22, D-52 |
| LVS04427 | CONN. NSX/INS -3P 250A FIXED/ WITHD HORZ | D-54, D-57 |
| LVS04428 | CONN. NSX/INS -4P 250A FIXED/ WITHD HORZ | D-54, D-57 |
| LVS04429 | UNIVERSAL CONNECTION IN DUCT 250A 3P | D-53, D-54 |
| LVS04430 | UNIVERSAL CONNECTION IN DUCT 250A 4P | D-53, D-54 |
| LVS04431 | CONNECTION NSX TOGGLE-3P 250A PLUGIN HZ | D-53 |
| LVS04432 | CONNECTION NSX TOGGLE-4P 250A PLUGIN HZ | D-53 |
| LVS04433 | 690V VBB SIDE CONN COVER 100-250A 3P&4P | C-22 |
| LVS04453 | CONNECTION NSX TOGGLE-3P 630A FIXED HORZ | D-52 |
| LVS04454 | CONNECTION NSX TOGGLE-4P 630A FIXED HORZ | D-52 |
| LVS04455 | CONN.TRANSF. NSX TOG -3P 630A FIXED HZ | C-22, D-52 |
| LVS04456 | CONN.TRANSF. NSX TOG -4P 630A FIXED HZ | C-22, D-52 |
| LVS04459 | UNIVERSAL CONNECTION IN DUCT 630A 3P | D-52, D-53, D-54 |
| LVS04460 | UNIVERSAL CONNECTION IN DUCT 630A 4P | D-52, D-53, D-54 |
| LVS04461 | CONNECTION NSX TOGGLE-3P 630A PLUGIN HZ | D-53 |
| LVS04462 | CONNECTION NSX TOGGLE-4P 630A PLUGIN HZ | D-53 |
| LVS04463 | 690V VBB SIDE CONN. COVER 400-630A 3P&4P | C-22 |
| LVS04473 | 400-630A 3P&4P | D-49, D-135 |
| LVS04474 | CONN. HORIZ FIXED MTZ1/NT 4P 1000A | D-49, D-135 |
| LVS04475 | CONN. FIXED MTZ1/NT 3P 1250A | D-42, D-43, D-134 |
| LVS04476 | CONN. FIXED MTZ1/NT 4P 1250A | D-42, D-43, D-134 |
| LVS04477 | CONN. WITHD NS-MTZ1/NT 3P 1250A | D-42, D-43, D-47, D-48, D-133, D-134 |
| LVS04478 | CONN. WITHD NS-MTZ1/NT 4P 1250A | D-42, D-43, D-47, D-48, D-133, D-134 |
| LVS04481 | CONNECTION INS-INV -3P 1600A FIXED | D-56 |
| LVS04482 | CONNECTION INS-INV -4P 1600A FIXED | D-56 |

PrismaSeT P Specific Applications - Index

Index of Commercial References with Description

| Com. ref. | Description | Page | Com. ref. | Description | Page |
|-----------|--|--------------------------------------|-----------|---|---|
| LVS04483 | CONN.TRANSF. NS -3P 1000A FIXED HORZ | D-49, D-150 | LVS04563 | LINERGY LGYE PROFILE 1250A L2000 | C-72, C-73, D-82, D-84 |
| LVS04484 | CONN.TRANSF. NS -4P 1000A FIXED HORZ | D-49, D-150 | LVS04564 | LINERGY LGYE PROFILE 1600A L2000 | C-72, C-73, D-82, D-84 |
| LVS04485 | CONNECTION NS -3P 1250A FIXED | D-47, D-48, D-133 | LVS04565 | LINERGY LGYE PROFILE 2000A L2000 | C-72, D-82 |
| LVS04486 | CONNECTION NS -4P 1250A FIXED | D-47, D-48, D-133 | LVS04566 | LINERGY LGYE PROFILE 2500A L2000 | C-72, D-82 |
| LVS04487 | CONNECTION NS -3P 1600A FIXED | D-47, D-48, D-133 | LVS04567 | LINERGY LGYE PROFILE 3200A L2000 | C-72, D-82 |
| LVS04488 | CONNECTION NS -4P 1600A FIXED | D-47, D-48, D-133 | LVS04602 | LINERGY LGYE VERTICAL CONNECTION 1600A | C-73, C-83, D-83, D-84, D-109 |
| LVS04489 | CONN. FIXED MTZ1/NT 3P 1600A | D-42, D-43, D-134 | LVS04603 | LINERGY LGYE VERT. SHIFTED CONNECT.1600A | C-73, D-83, D-84 |
| LVS04490 | CONN. FIXED MTZ1/NT 4P 1600A | D-42, D-43, D-134 | LVS04604 | LINERGY LGYE VERT. SHORT CONNECT. 2500A | C-73, D-84 |
| LVS04491 | CONN. WITHD NS-MTZ1/NT 3P 1600A | D-42, D-43, D-47, D-48, D-133, D-134 | LVS04605 | LINERGY LGYE VERT. LONG CONNECT. 2500A | C-73, D-84 |
| LVS04492 | CONN. WITHD NS-MTZ1/NT 4P 1600A | D-42, D-43, D-47, D-48, D-133, D-134 | LVS04607 | LINERGY LGYE VERTICAL CONNECTION 4000A | C-73, D-84 |
| LVS04493 | CONN. HORIZ LGYE MTZ2/NW 1600A 3P | D-37, D-39 | LVS04620 | LINERGY LGYE HORIZONTAL JOINT 1600A | C-72, D-82 |
| LVS04494 | CONN. HORIZ LGYE MTZ2/NW 1600A 4P | D-37, D-39 | LVS04621 | LINERGY LGYE HORIZONTAL JOINT 2500A | C-72, D-82 |
| LVS04495 | CONN. HORIZ LGYE MTZ2/NW 2500A 3P | C-9, C-11, D-37, D-39 | LVS04623 | LINERGY LGYE HORIZONTAL JOINT 4000A | C-72, D-82 |
| LVS04496 | CONN. HORIZ LGYE MTZ2/NW 2500A 4P | C-9, C-11, D-37, D-39 | LVS04624 | LINERGY LGYE ISOLATING SCREEN NEUTRAL | C-72, D-82 |
| LVS04497 | CONN. HORIZ LGYE MTZ2/NW 3200A 3P | C-9, C-11, D-37, D-39 | LVS04636 | CONNECT.1600A 10MM HZ BAR/ LGY V.PROFILE | C-83, D-109 |
| LVS04498 | CONN. HORIZ LGYE MTZ2/NW 3200A 4P | C-9, C-11, D-37, D-39 | LVS04646 | MOUNTING HARDWARE LINERGY LGYE>=3200A | C-72, C-73, D-82, D-84 |
| LVS04502 | LINERGY LGY VERTICAL PROFILE 630A L1670 | C-83, D-83, D-109 | LVS04651 | LINERGY LGY LATERAL BUSBAR SUPPORT | D-83 |
| LVS04503 | LINERGY LGY VERTICAL PROFILE 800A L1670 | C-83, D-83, D-109 | LVS04656 | LINERGY TB PEN KIT / LGY PROFILE | C-83, D-109 |
| LVS04504 | LINERGY LGY VERTICAL PROFILE 1000A L1670 | D-83 | LVS04657 | LINERGY TB 3 FLAT BAR SUPP.FOR VERT.PE | C-83, D-109 |
| LVS04505 | LINERGY LGY VERTICAL PROFILE 1250A L1670 | C-83, D-83, D-109 | LVS04658 | 12 STOPS/1600A BOTT.SUPPORT LINERGY LGYE | C-73, D-84 |
| LVS04506 | LINERGY LGY VERTICAL PROFILE 1600A L1670 | D-83 | LVS04659 | 12 STOPS/4000A BOTT.SUPPORT LINERGY LGYE | C-73, D-84 |
| LVS04507 | LINERGY LGYE VERT PROFILE 2000A L1625 | C-73, D-84 | LVS04661 | FIXED SUPPORT VERT. BB LINERGY LGYE/BS | C-73, D-84 |
| LVS04508 | LINERGY LGYE VERT PROFILE 2500A L1625 | C-73, D-84 | LVS04662 | FREE BUSBAR SUPPORT LINERGY LGYE/BS | C-9, C-11, C-16, C-17, C-72, C-73, D-37, D-39, D-42, D-43, D-45, D-46, D-47, D-48, D-51, D-56, D-82, D-37, D-39 |
| LVS04509 | LINERGY LGYE VERT PROFILE 3200A L1625 | C-73, D-84 | LVS04663 | BOTTOM LAT.V.5/10 BB SUPPORT LIN. LGYE/BS | C-73, D-84 |
| LVS04512 | PE V.BAR W.HOLES 25X5 L1675 LINERGY TB | C-83, D-109 | LVS04664 | FIXED SUPPORT HZ. BB LINERGY LGYE/BS | C-72, D-82 |
| LVS04515 | PE V.BAR W.HOLES 50X5 L1675 LINERGY TB | C-83, D-109 | LVS04666 | BOT.LAT.5/10 BB SUPPORT W300 LIN. LGYE/BS | C-73, D-84 |
| LVS04516 | DRILLED FLAT BAR LINERGY BS 60X5 L1675 | C-83, D-109 | LVS04667 | 2 HORIZONTAL PE SUPPORTS LINERGY TB | C-63, C-83, D-25, D-109 |
| LVS04560 | LINERGY LGYE PROFILE 630A L2000 | C-72, C-73, D-82, D-84 | LVS04671 | MOUNT. HARDWARE BB>80MM LINERGY LGYE/BS | C-72, C-73, D-82, D-84 |
| LVS04561 | LINERGY LGYE PROFILE 800A L2000 | C-72, C-73, D-82, D-84 | LVS04672 | 2 CONNECT.Plate HZ/V.PE BAR LINERGY TB | C-83, D-109 |
| LVS04562 | LINERGY LGYE PROFILE 1000A L2000 | C-72, C-73, D-82, D-84 | LVS04678 | FREE 5/10 BUSBAR SUPPORT D600 LINERGY BS | C-8, C-10, D-36, D-38 |



PrismaSeT P Specific Applications - Index

Index of Commercial References with Description

| Com. ref. | Description | Page |
|-----------|---|---|
| LVS04683 | JOINT LINERGY VERT.LGY/LGYE 1600A 3P | D-37, D-39 |
| LVS04684 | JOINT LINERGY VERT.LGY/LGYE 1600A 4P | D-37, D-39 |
| LVS04685 | JOINT LINERGY VERTICAL LGYE 2500A NW | C-9, C-11, D-37, D-39 |
| LVS04687 | JOINT LINERGY VERTICAL LGYE 3200A NW | C-9, C-11, D-37, D-39 |
| LVS04690 | FLANGE FOR FLAT BARS | C-13 |
| LVS04691 | FLANGE FOR EDGEWISE BARS | C-16, C-19, D-42, D-45, D-47, D-51 |
| LVS04692 | FLANGE FOR FLAT BARS W400 | C-19, D-45, D-51 |
| LVS04693 | CONN.SUP.70MM B/CENTRES | C-16, C-17, D-42, D-43, D-47, D-48 |
| LVS04694 | CONN.SUP 115MM B/CENTRES | C-8, C-10, C-12, D-36, D-38, D-46, D-56 |
| LVS04703 | CANALIS INTERFACE 1600A 3P | C-17, D-43, D-48 |
| LVS04704 | CANALIS INTERFACE 1600A 4P | C-17, D-43, D-48 |
| LVS04711 | CANALIS CONN.FRONT NS-MTZ1/ NT 3P | C-17, D-43, D-48 |
| LVS04712 | CANALIS CONN.FRONT NS-MTZ1/ NT 4P | C-17, D-43, D-48 |
| LVS04713 | CANALIS CONN.REAR NS-MTZ1/ NT 3P | C-17, D-43, D-48 |
| LVS04714 | CANALIS CONN.REAR NS-MTZ1/ NT 4P | C-17, D-43, D-48 |
| LVS04715 | CANALIS CONN.1600A MTZ2/NW 3P | C-10, D-38 |
| LVS04716 | CANALIS CONN.1600A MTZ2/NW 4P | C-10, D-38 |
| LVS04725 | CANALIS CONN.2500A MTZ2/NW 3P | C-10, D-38 |
| LVS04726 | CANALIS CONN.2500A MTZ2/NW 4P | C-10, D-38 |
| LVS04735 | CANALIS CONN.3200A MTZ2/NW 3P | C-10, D-38 |
| LVS04736 | CANALIS CONN.3200A MTZ2/NW 4P | C-10, D-38 |
| LVS04742 | INSULATED FLEX.BAR 20X2 L1800 | C-76, C-77, D-92, D-93 |
| LVS04743 | INSULATED FLEX.BAR 20X3 L1800. | C-76, C-77, C-80, D-92, D-93, D-96 |
| LVS04746 | INSULATED FLEX.BAR 24X5 L1800 | C-77, D-92, D-93 |
| LVS04751 | INSULATED FLEX.BAR 32X5 L1800 | C-76, C-77, D-92, D-93 |
| LVS04752 | INSULATED FLEX.BAR 32X6 L1800 | C-77, D-92, D-93 |
| LVS04753 | INSULATED FLEX.BAR 32X8 L1800 | C-76, C-77, D-92, D-93 |
| LVS04759 | 20 M8 TORQUE NUTS | C-74, D-85 |
| LVS04766 | 20 M8 LGY BOLTS FOR CAB.LUG/ FLEX BAR L25 | C-74, C-83, D-85, D-109 |
| LVS04767 | 20 M8 LGY BOLTS FOR COPPER BAR L39 | C-74, D-85 |
| LVS04768 | SET OF 12 SCREWPLATES FOR LINERGY EVOLUT | C-74, D-85 |
| LVS04769 | SET OF 8 SCREWPLATES FOR LINERGY EVOLUTI | C-74, D-85 |
| LVS04772 | 20 M8/DIAM.20 FLAT WASHERS FLEX. BAR/LGY | C-74, D-85 |

| Com. ref. | Description | Page |
|-----------|---|--|
| LVS04773 | 20 M8/DIAM.24 FLAT WASHERS FLEX. BAR/LGY | C-74, D-85 |
| LVS04774 | 20 M8/DIAM.28 FLAT WASHERS FLEX. BAR/LGY | C-74, D-85 |
| LVS04775 | 20 M8/DIAM.20 FLAT WASHERS LUGS<25°/LGY | C-74, D-85 |
| LVS04782 | 20 BOLTS 8.8 CLASS M8X20 / LINERGY BS | C-74, D-85 |
| LVS04783 | 21 BOLTS 8.8 CLASS M8X25 / LINERGY BS | C-74, D-85 |
| LVS04784 | 22 BOLTS 8.8 CLASS M8X30 / LINERGY BS | C-74, D-85 |
| LVS04785 | 23 BOLTS 8.8 CLASS M8X35 / LINERGY BS | C-74, D-85 |
| LVS04786 | 24 BOLTS 8.8 CLASS M8X40 / LINERGY BS | C-74, D-85 |
| LVS04787 | 25 BOLTS 8.8 CLASS M8X45 / LINERGY BS | C-74, D-85 |
| LVS04788 | 26 BOLTS 8.8 CLASS M8X50 / LINERGY BS | C-74, D-85 |
| LVS04794 | 12 PHASE MARKER/LINERGY LGY/ LGYE PROFILE | C-74, D-85 |
| LVS04809 | 4P TOOTH-CAPS /LINERGY FC D.BLK NSX250 | D-57, D-89 |
| LVS04810 | 12*TOOTH-CAP 1P LINERGY FC D.BLK NSXM160 | D-91 |
| LVS04842 | CONN.COVER HZ.FIX.NS1600 | D-49 |
| LVS04851 | FRONT CONN.COVER V.FIX.NS1600 | D-47, D-48 |
| LVS04852 | FRONT V. CONN.COVER NS-MTZ1/NT | C-16, C-17, D-42, D-43, D-47, D-48 |
| LVS04853 | REAR CONN.COV.V.FIX.NS1600 | D-47 |
| LVS04854 | REAR HORIZ CONN.COVER NS-MTZ1/NT | C-16, C-17, D-42, D-43, D-47, D-48 |
| LVS04855 | BUSBAR COVER V. NS-MTZ1/NT W400 | C-19, D-45, D-51 |
| LVS04860 | BUSBAR COVER V. MTZ2/NW/ISFL W650 | C-13, D-68 |
| LVS04861 | FRONT CONN. COVER MTZ2/NW | C-8, C-10, C-12, C-14, C-93, D-36, D-38, D-40, D-119 |
| LVS04863 | REAR CONN. COVER MTZ2/NW | C-8, C-10, C-93, D-36, D-38, D-119 |
| LVS04871 | CANALIS | C-10, C-17, C-93, D-38, D-43, D-48, D-119 |
| LVS04901 | FORM 3 HORIZONTAL PARTITION | C-95, D-121 |
| LVS04911 | INTER-CUBICLE PARTITION D400 | C-97, D-123 |
| LVS04920 | W300 FR.BARRIER FOR LAT.V.BB. | C-94, D-120 |
| LVS04921 | W150 FR.BARRIER FOR LAT.V.BB. | C-94, D-120 |
| LVS04922 | FORM 2 SIDE BARRIER FOR LAT. VERT.BB. | C-94 |
| LVS04924 | FORM 2 SIDE BARRIER RESTORATION KIT | C-94, D-120 |
| LVS04925 | PARTITION CONN.LGYE DEV>800A W650 D600 | C-9, C-11, C-93, D-37, D-39, D-119 |

PrismaSeT P Specific Applications - Index

Index of Commercial References with Description

| Com. ref. | Description | Page | Com. ref. | Description | Page |
|-----------|---|---|-----------|---|--|
| LVS04926 | PARTITION CONN. DEV>800A W650 D600 | C-16, C-17, C-93, D-37, D-39, D-42, D-43, D-46, D-47, D-48, D-56, D-119 | LVS07942 | BARREL BLOC WITH COMBINATION LOCK 1242E | C-68, D-30 |
| LVS04927 | ADDITIONAL PARTITION CONN.W650 D600 | C-93, D-37, D-39, D-46, D-119 | LVS07943 | BARREL BLOC WITH COMBINATION LOCK 3113A | C-68, D-30 |
| LVS04928 | ADDITIONAL PARTITION LGYE CONN. W650 D600 | C-9, C-11, C-93, D-37, D-39, D-119 | LVS07944 | BARREL BLOC WITH COMBINATION LOCK 2433A | C-68, D-30 |
| LVS04931 | INTER-CUBICLE PARTITION D600 | C-97, D-123 | LVS07945 | INSERT BLOC COMBINAISON.DIN DOUBLE BAR | C-68, D-30 |
| LVS04943 | F3 PARTITION REAR SUPPORT | C-95, D-121 | LVS07946 | INSERT BLOC COMBINAISON. SCREWDRIVER SLOT | C-68, D-30 |
| LVS04946 | F4 BACKPLATE FRONT CONN.D600 | C-96, D-122 | LVS07949 | INSERT BLOC COMBI.8MM MALE TRIANGLE | C-68, D-30 |
| LVS04951 | FORM 4 CABLE GLAND PLATE 3/4 MODULES | C-96, D-122 | LVS07951 | INSERT BLOC COMBINAISON.6MM MALE SQUARE | C-68, D-30 |
| LVS04952 | FORM 4 CABLE GLAND PLATE 5/6 MODULES | C-96, D-122 | LVS07953 | INSERT BLOC COMBINAISON.8MM MALE SQUARE | C-68, D-30 |
| LVS04953 | FORM 4B COVER TRANSF. CONNECTION 3/5M | C-96, D-122 | LVS07956 | BARREL BLOC WITH COMBINATION LOCK 2432 E | C-68, D-30 |
| LVS04954 | FORM 4B COVER TRANSF. CONNECTION 4/6M | C-96, D-122 | LVS08403 | FRAMEWORK P W300 D400 | C-45, C-58, D-9, D-20 |
| LVS04955 | FORM 3 REAR CONN. -VERT. PARTITION 3/4M | C-95, D-121 | LVS08404 | FRAMEWORK P W400 D400 | C-45, C-58, D-9, D-20 |
| LVS04956 | FORM 3 REAR CONN. -VERT. PARTITION 5/6M | C-95, D-121 | LVS08406 | FRAMEWORK P W650 D400 | C-43, C-44, C-45, C-58, D-8, D-9, D-20 |
| LVS04963 | FORM 2 COVER HORZ.BB.4000A W300 D600 | C-94, D-120 | LVS08407 | PRISMA P FRAMEWORK W650+150 D400 | C-43, C-44, C-45, C-58, D-8, D-9, D-20 |
| LVS04964 | FORM 2 COVER HORZ.BB.4000A W400 D600 | C-94, D-120 | LVS08408 | FRAMEWORK P W800 D400 | D-9 |
| LVS04966 | FORM 2 COVER HORZ.BB.4000A W650 D600 | C-94, D-120 | LVS08453 | PLN.ROOF P IP55 W300 D400 | C-54, C-56, D-17 |
| LVS04968 | FORM 2 COVER HORZ.BB.4000A W800 D600 | C-94, D-120 | LVS08454 | PLN.ROOF P IP55 W400 D400 | C-54, C-56, D-17 |
| LVS04973 | FORM 2 COVER HORZ.BUSBAR W300 D400 | C-94, D-120 | LVS08456 | PLN.ROOF P IP55 W650 D400 | C-43, C-44, C-54, C-56, D-8 |
| LVS04974 | FORM 2 COVER HORZ.BUSBAR W400 D400 | C-94, D-120 | LVS08458 | PLN.ROOF P IP55 W800 D400 | C-43, C-44, C-54, C-56, D-8 |
| LVS04976 | FORM 2 COVER HORZ.BUSBAR W650 D400 | C-94, D-120 | LVS08478 | IP55 VENTILATED ROOF W800 D400 | D-71 |
| LVS04978 | FORM 2 COVER HORZ.BUSBAR W800 D400 | C-94, D-120 | LVS08483 | IP55 PLAIN GL.PL.W300 D400 | C-57 |
| LVS04983 | FORM 2 COVER HORZ.BUSBAR W300 D600 | C-94, D-120 | LVS08484 | IP55 PLAIN GL.PL.W400 D400 | C-57 |
| LVS04984 | FORM 2 COVER HORZ.BUSBAR W400 D600 | C-94, D-120 | LVS08486 | IP55 PLAIN GL.PL.W650 D400 | C-43, C-44, C-57, D-8 |
| LVS04986 | FORM 2 COVER HORZ.BUSBAR W650 D600 | C-94, D-120 | LVS08487 | IP55 PLAIN GL.PL.W650+150 D400 | C-43, C-44, C-57, D-8 |
| LVS04988 | FORM 2 COVER HORZ.BUSBAR W800 D600 | C-94, D-120 | LVS08488 | IP55 PLAIN GL.PL.W800 D400 | C-57 |
| LVS07931 | RAL 7016 ROTATIVE HANDLE PRISMASET P/G | C-68, D-30 | LVS08493 | IP30 2-PART GL.PL.W300 D400 | C-57, D-19 |
| LVS07932 | EURO ROTATIVE WHITE HANDLE PRISMA P/G | C-68, D-30 | LVS08494 | IP30 2-PART GL.PL.W400 D400 | C-57, D-19 |
| LVS07933 | ASSA/ABLOY ROTATIVE WHITE HANDLE PRISMA | C-68, D-30 | LVS08496 | IP30 2-PART GL.PL.W650 D400 | C-57, D-19 |
| LVS07938 | HANDLE PADLOCKING KIT FOR 1 LOCKERS | C-68, D-30 | LVS08497 | IP30 2-PART GL.PL.W650+150D400 | C-57, D-19 |
| LVS07940 | BARREL BLOC WITH COMBINATION LOCK 405 | C-68, D-30 | LVS08498 | IP30 2 PART GL.PL.W800 D400 | C-57, D-19 |
| LVS07941 | BARREL BLOC WITH COMBINATION LOCK 455 | C-68, D-30 | LVS08523 | PLN.DOOR P IP55 W300 | C-42, C-52, C-55, D-16 |
| | | | LVS08524 | PLN.DOOR P IP55 W400 | C-52, C-55, D-16 |
| | | | LVS08526 | PLN.DOOR P IP55 W650 | C-42, C-43, C-44, C-55, D-8 |



PrismaSeT P Specific Applications - Index

Index of Commercial References with Description

| Com. ref. | Description | Page |
|-----------|--|--|
| LVS08528 | PLN.DOOR P IP55 W800 | C-42, C-43, C-44, C-55, D-8 |
| LVS08544 | TRANSP.DOOR P IP55 W400 | C-52, C-55 |
| LVS08546 | TRANSP.DOOR P IP55 W650 | C-52, C-55 |
| LVS08548 | TRANSP.DOOR P IP55 W800 | C-52, C-55 |
| LVS08560 | 10M HINGED FRONT.PLATE SUP. KIT W650 | C-14, C-45, D-9, D-40, D-41 |
| LVS08562 | 12M HINGED FRONT PLATE SUP. FRAME W650 | C-14, C-45, D-9, D-40, D-41, D-68 |
| LVS08564 | HINGED FR.PL SUP.FRAME P W400 | C-45, D-9 |
| LVS08566 | HINGED FR.PL SUP.FRAME P W650 | C-42, C-43, C-44, C-45, D-8, D-9 |
| LVS08585 | FRONT PLATE HINGE KIT | C-61, D-23 |
| LVS08603 | FRAMEWORK P W300 D600 | C-42, C-45, C-58, D-9, D-20 |
| LVS08604 | FRAMEWORK P W400 D600 | C-45, C-58, D-9, D-20 |
| LVS08606 | FRAMEWORK P W650 D600 | C-42, C-44, C-45, C-58, D-8, D-9, D-20 |
| LVS08607 | FRAMEWORK P W650+150 D600 | C-42, C-44, C-45, C-58, D-8, D-9, D-20 |
| LVS08608 | FRAMEWORK P W800 D600 | D-9 |
| LVS08640 | PrismaSeT P Green Cover W300 | C-54, C-56, D-18 |
| LVS08641 | PrismaSeT P Green Cover W400 | C-54, C-56, D-18 |
| LVS08642 | PrismaSeT P Green Cover W650 | C-54, C-56, D-18 |
| LVS08643 | PrismaSeT P Green Cover W800 | C-54, C-56, D-18 |
| LVS08653 | PLN.ROOF P IP55 W300 D600 | C-42, C-54, C-56, D-17 |
| LVS08654 | PLN.ROOF P IP55 W400 D600 | C-54, C-56, D-17 |
| LVS08656 | PLN.ROOF P IP55 W650 D600 | C-42, C-44, C-54, C-56, D-8, D-17 |
| LVS08658 | PLN.ROOF P IP55 W800 D600 | C-42, C-44, C-54, C-56 |
| LVS08678 | IP55 VENTILATED ROOF W800 D600 | D-8, D-17, D-71 |
| LVS08683 | IP55 PLAIN GL.PL.W300 D600 | C-42, C-57 |
| LVS08684 | IP55 PLAIN GL.PL.W400 D600 | C-57 |
| LVS08686 | IP55 PLAIN GL.PL.W650 D600 | C-42, C-44, C-57, D-8 |
| LVS08687 | IP55 PLAIN GL.PL.W650+150 D600 | C-42, C-44, C-57, D-8 |
| LVS08688 | IP55 PLAIN GL.PL.W800 D600 | C-57 |
| LVS08693 | IP30 2-PART GL.PL.W300 D600 | C-57, D-19 |
| LVS08694 | IP30 2-PART GL.PL.W400 D600 | C-57, D-19 |
| LVS08696 | IP30 2-PART GL.PL.W650 D600 | C-57, D-19 |
| LVS08697 | IP30 2-PART GL.PL.W650+150D600 | C-57, D-19 |
| LVS08698 | IP30 2 PART GL.PL.W800 D600 | C-57, D-19 |
| LVS08700 | 4 LIFTING RINGS | C-59, D-21 |

| Com. ref. | Description | Page |
|-----------|---|---|
| LVS08701 | STABILISER KIT | C-59, D-21 |
| LVS08702 | LEVELLING KIT | C-60, D-22 |
| LVS08703 | FALSE FLOOR FIXING KIT | C-60, D-22 |
| LVS08704 | FLOOR/WALL FIXING KIT | C-60, D-22 |
| LVS08706 | HANDL.PINTH LH 2000 | C-58, D-20 |
| LVS08710 | REINFORCED BRACKET FOR PRISMA P SEISMIC | C-58, D-20 |
| LVS08714 | 2 SIDE PARTS HANDL.PLINTH D400 | C-58, D-20 |
| LVS08716 | 2 SIDE PARTS HANDL.PLINTH D600 | C-58, D-20 |
| LVS08717 | SIDE/SIDE COMBI.IP55 SEAL.KIT | C-46, D-10 |
| LVS08718 | 10 COMBINATION SCREWS ET ACC. | C-46, D-10 |
| LVS08719 | DOUBLE DEPTH COMBINATION KIT | C-43, C-44, C-46, D-8, D-10 |
| LVS08720 | 2 SIDE.PL PLINTH P D400 | C-57, D-19 |
| LVS08721 | 2 SIDE.PL PLINTH P D600 | C-57, D-19 |
| LVS08722 | COMBINATION KIT FOR LIFTING | C-58, D-20 |
| LVS08723 | PLINTH P H100 W300 D400 | C-57, D-19 |
| LVS08724 | PLINTH P H100 W400 D400 | C-57, D-19 |
| LVS08726 | PLINTH P H100 W650 D400 | C-57, D-19 |
| LVS08728 | PLINTH P H100 W800 D400 | C-57, D-19 |
| LVS08743 | REAR.PANEL P IP55 W300 | C-42, C-53, C-55, D-17 |
| LVS08744 | REAR.PANEL P IP55 W400 | C-53, C-55, D-17 |
| LVS08746 | REAR.PANEL P IP55 W650 | C-42, C-43, C-44, C-53, C-55, D-8, D-17 |
| LVS08748 | REAR.PANEL P IP55 W800 | C-42, C-43, C-44, C-53, C-55, D-17, D-8 |
| LVS08749 | IP55 REAR PANEL W800 FOR CAPACITORS | D-71 |
| LVS08755 | 2 SIDE PANELS P IP55 D400 | C-43, C-44, C-52, C-56, C-58, D-8, D-16, D-20 |
| LVS08765 | 2 IP55 SIDE PANELS D600 | C-42, C-44, C-52, C-56, C-58, D-8, D-16, D-20 |
| LVS08773 | 4 CABLE TIE SUPPORTS W300 | C-58, C-67, D-20, D-29 |
| LVS08774 | 4 CABLE TIE SUPPORTS W400 | C-19, C-58, C-67, D-20, D-29, D-45, D-51 |
| LVS08776 | 4 CABLE TIE SUPPORTS W650 | C-67, D-29 |
| LVS08778 | 4 CABLE TIE SUPPORTS W800 | C-67, D-29 |
| LVS08783 | FORM C CABLE TIE SUP. L1600 | C-67, D-29 |
| LVS08794 | 4 CABLE TIE SUPPORTS D400 | C-19, C-67, D-29, D-45, D-51 |
| LVS08796 | 4 CABLE TIE SUPPORTS D600 | C-19, C-67, D-29, D-45, D-51 |
| LVS08900 | SWITCHBOARD IDENTIFICATION PL. | C-61, D-23 |
| LVS08903 | 12 ADHESIVE LABEL HOLDERS 24x432 | C-61, D-23 |

PrismaSeT P Specific Applications - Index

Index of Commercial References with Description



| Com. ref. | Description | Page |
|-----------|---|------------|
| LVS08904 | 12 ADHESIVE LABEL HOLDERS 36x432 | C-61, D-23 |
| LVS08905 | 12 ADHESIVE LABEL HOLDERS 24x180 W300 | C-61, D-23 |
| LVS08906 | 12 ADHESIVE LABEL HOLDERS 36x180 W300 | C-61, D-23 |
| LVS08910 | EARTHING BRAID 6MM | C-68, D-30 |
| LVS08911 | EARTHING WIRE 6MM | C-68, D-30 |
| LVS08913 | 12 CLIP-ON LABELS 18X35 | C-61, D-23 |
| LVS08914 | 12 ENGRAVING PLATES 18X35 / SUPPORT 08913 | C-61, D-23 |
| LVS08915 | 12 CLIP-ON LABELS 18X72 | C-61, D-23 |
| LVS08916 | 12 ENGRAVING PLATES 18X72 / SUPPORT 08915 | C-61, D-23 |
| LVS08917 | 12 CLIP-ON LABELS 25X85 | C-61, D-23 |
| LVS08918 | 12 ENGRAVING PLATES 25X85 / SUPPORT 08917 | C-61, D-23 |
| LVS08921 | 20 FRAMEWORK SCREWS+WING NUTS | C-46, D-10 |
| LVS08961 | TOUCH-UP PAINT BRUSH | C-61, D-23 |
| LVS08963 | ADHESIVE DRAWING HOLDER | C-61, D-23 |
| LVS08964 | SWITCHBOARD LIGHTING | D-33 |
| LVS08965 | SWITCHBOARD PORTABLE LAMP | D-33 |

N

| | | |
|-----------------|---|-------------|
| NSYCAC228RMB | Roof outlet grid cut-out 228x228mm | D-18, D-71 |
| NSYCAF228R | Filter for Roof O.Grid 228x228mm | D-71 |
| NSYCAF291M | Anti-insect filter for outlet grille or fan cut-out 291x291mm | C-53 |
| NSYCAC291LPF | Outlet Grid cut-out 291x291mm | C-53, D-71 |
| NSYCCASTE | Temperature sensor L=3m. | D-32 |
| NSYCCOYH230VID | Electronical Hygrostat% Hr 230V | D-32 |
| NSYCCOYHT230VID | Hygrotherm 230V | D-32 |
| NSYCCOTH230VID | Electronical Thermostat 230V | D-32 |
| NSYCCOTH | Double Thermostat NO NC Deg Celsius | D-32 |
| NSYCCOCHI | Thermostat w/Invers Contact Deg C | D-32 |
| NSYCR10WU2 | Resist.heater Alum 10W, 110-250V | C-69, D-31 |
| NSYCR20WU2 | Resist.heater Alum 20W, 110-250V | C-69, D-31 |
| NSYCR55WU2 | Resist.heater Alum 55W, 110-250V | C-69, D-31 |
| NSYCR100WU2 | HEATING RESISTOR 110-250V 100W NSYCR100W | C-69, D-31 |
| NSYCR150WU2 | Resist.heater Alum 150W, 110-250V | C-69, D-31 |
| NSYCR250W230VV | Resis.ventil. 250W ,230V Alum | C-69, D-31 |
| NSYCR400W230VV | Resis.ventil. 400W 230V Alum | C-69, D-31 |
| NSYCRP1W230VTV | Thermoventil.Heat.350-500W 230V. | C-69, D-31 |
| NSYCVF575M230MB | Roof filterfan 575m3/h 230V RAL 9003 | D-71 |
| NSYCVF850M230PF | Filterfan 850m3/h 230V IP54 | D-71 |
| NSYTRAB610 | CLIP IN MARKING STRIP, 6MM, 10 CHARACTER | C-86, D-112 |
| NSYTRAB620 | CLIP IN MARKING STRIP, 6MM, 10 CHARACTER | C-86, D-112 |
| NSYTRAB630 | CLIP IN MARKING STRIP, 6MM, 10 CHARACTER | C-86, D-112 |
| NSYTRAB640 | CLIP IN MARKING STRIP, 6MM, 10 CHARACTER | C-86, D-112 |
| NSYTRAB690 | CLIP IN MARKING STRIP, 6MM, 10 CHARACTER | C-86, D-112 |

| Com. ref. | Description | Page |
|--------------|--|-------------|
| NSYTRAB6100 | CLIP IN MARKING STRIP, 6MM, 10 CHARACTER | C-86, D-112 |
| NSYTRAB61100 | CLIP IN MARKING STRIP, 6MM, 100 CHARACTERS | C-86, D-112 |
| NSYTRABF510 | CLIP IN MARKING STRIP, FLAT, 5MM, 10 CHA | C-86, D-112 |
| NSYTRABF520 | CLIP IN MARKING STRIP, FLAT, 5MM, 10 CHA | C-86, D-112 |
| NSYTRABF530 | CLIP IN MARKING STRIP, FLAT, 5MM, 10 CHA | C-86, D-112 |
| NSYTRABF540 | CLIP IN MARKING STRIP, FLAT, 5MM, 10 CHA | C-86, D-112 |
| NSYTRABF550 | CLIP IN MARKING STRIP, FLAT, 5MM, 10 CHA | C-86, D-112 |
| NSYTRAC22 | END COVER, 2PTS, 2,2MM WIDTH, FOR SCREW | C-86, D-112 |
| NSYTRAC22BL | END COVER, 2PTS, 2,2MM, BLUE, FOR SCREW | C-86, D-112 |
| NSYTRAC23 | END COVER, 3PTS, 2,2MM WIDTH, FOR SCREW | C-86, D-112 |
| NSYTRAC24 | END COVER, 4PTS, 2,2MM WIDTH, FOR SCREW | C-86, D-112 |
| NSYTRAC162 | END COVER, 2PTS, 2,2MM WIDTH, FOR SCREW | C-86, D-112 |
| NSYTRACE24 | END COVER, 2 LEVEL, 4PTS, 2,2MM WIDTH, F | C-86, D-112 |
| NSYTRACE26 | END COVER, 3 LEVEL, 2,2MM WIDTH, 6PTS, F | C-86, D-112 |
| NSYTRACP43 | END COVER, 3PTS, 2,2MM WIDTH, FOR PUSH-I | C-86, D-112 |
| NSYTRACP44 | END COVER, 4PTS, 2,2MM WIDTH, FOR PUSH-I | C-86, D-112 |
| NSYTRACP62 | END COVER 6sqmm, 2PTS, FOR TR PUSH-IN | C-86, D-112 |
| NSYTRACP63 | END COVER 6sqmm, 3PTS, FOR TR PUSH-IN | C-86, D-112 |
| NSYTRACP102 | END COVER 10sqmm, 2PTS, FOR TR PUSH-IN | C-86, D-112 |
| NSYTRACP162 | END COVER 16sqmm, 2PTS, FOR TR PUSH-IN | C-86, D-112 |
| NSYTRACPE26 | END COVER 3 LEVEL, 2,2MM WIDTH, 6PTS FOR | C-86, D-112 |
| NSYTRACPE44 | END COVER, 3 LEVEL 4sqmm, 4PTS, PUSH-IN | C-86, D-112 |
| NSYTRACPK22 | END COVER, 2PTS, 2,2MM WIDTH, FOR PUSH-I | C-86, D-112 |
| NSYTRACPK23 | END COVER, 3PTS, 2,2MM WIDTH, FOR PUSH-I | C-86, D-112 |
| NSYTRACR22 | END COVER, 2PTS, 2,2MM WIDTH, FOR SPRING | C-86, D-112 |
| NSYTRACR23 | END COVER, 3PTS, 2,2MM WIDTH, FOR SPRING | C-86, D-112 |
| NSYTRACR24 | END COVER, 4PTS, 2,2MM WIDTH, FOR SPRING | C-86, D-112 |
| NSYTRACR42 | END COVER, 2PTS, 2,2MM WIDTH, FOR SPRING | C-86, D-112 |
| NSYTRACR43 | END COVER, 3PTS, 2,2MM WIDTH, FOR SPRING | C-86, D-112 |
| NSYTRACR44 | END COVER, 4PTS, 2,2MM WIDTH, FOR SPRING | C-86, D-112 |
| NSYTRACR62 | END COVER, 2PTS, 2,2MM WIDTH, FOR SPRING | C-86, D-112 |
| NSYTRACR102 | END COVER, 2PTS, 2,2MM WIDTH, FOR SPRING | C-86, D-112 |

PrismaSeT P Specific Applications - Index

Index of Commercial References with Description

| Com. ref. | Description | Page |
|---------------------|---|-------------|
| NSYTRACR162 | END COVER, 2PTS, 2,2MM WIDTH, FOR SPRING | C-86, D-112 |
| NSYTRACRE24 | END COVER 2 LEVEL, 2,2MM WIDTH, 4PTS FOR | C-86, D-112 |
| NSYTRACRE44 | END COVER 2 LEVEL, 2,2MM WIDTH, 4PTS FOR | C-86, D-112 |
| NSYTRACT22 | END COVER, FOR NSYTRV62TT SWITCHABLE SCR | C-86, D-112 |
| NSYTRAL22 | PLUG-IN BRIDGE, 2POINTS FOR 2,5MMA TERMI | C-86, D-112 |
| NSYTRAL23 | PLUG-IN BRIDGE, 3POINTS FOR 2,5MMA TERMI | C-86, D-112 |
| NSYTRAL24 | PLUG-IN BRIDGE, 4POINTS FOR 2,5MMA TERMI | C-86, D-112 |
| NSYTRAL25 | PLUG-IN BRIDGE, 5POINTS FOR 2,5MM TERMI | C-86, D-112 |
| NSYTRAL42 | PLUG-IN BRIDGE, 2POINTS FOR 4MM2 TERMINA | C-86, D-112 |
| NSYTRAL43 | PLUG-IN BRIDGE, 3POINTS FOR 4MM2 TERMINA | C-86, D-112 |
| NSYTRAL44 | PLUG-IN BRIDGE, 4POINTS FOR 4MM TERMINA | C-86, D-112 |
| NSYTRAL45 | PLUG-IN BRIDGE, 5POINTS FOR 4MMA TERMINA | C-86, D-112 |
| NSYTRAL62 | PLUG-IN BRIDGE, 2PTS FOR 6MMA TERMINAL B | C-86, D-112 |
| NSYTRAL102 | PLUG-IN BRIDGE, 2PTS FOR 10MMA TERMINAL | C-86, D-112 |
| NSYTRAL162 | PLUG-IN BRIDGE, 2PTS FOR 16MMA TERMINAL | C-86, D-112 |
| NSYTRAL210 | PLUG-IN BRIDGE, 10POINTS FOR 2,5MMA TERM | C-86, D-112 |
| NSYTRAL210BL | PLUG-IN BRIDGE, 10POINTS FOR 2,5MM2 TERM | C-86, D-112 |
| NSYTRAL210GR | PLUG-IN BRIDGE, 10POINTS FOR 2,5MMA2 TERM | C-86, D-112 |
| NSYTRAL220 | PLUG-IN BRIDGE, 20POINTS FOR 2,5MMA TERM | C-86, D-112 |
| NSYTRAL410 | PLUG-IN BRIDGE, 10POINTS FOR 4MM2 TERMIN | C-86, D-112 |
| NSYTRAL410BL | PLUG-IN BRIDGE, 10POINTS FOR 4MMA TERMIN | C-86, D-112 |
| NSYTRAL410GR | PLUG-IN BRIDGE, 10POINTS FOR 4MM2 TERMIN | C-86, D-112 |
| NSYTRAL420 | PLUG-IN BRIDGE, 20POINTS FOR 4MMA2 TERMIN | C-86, D-112 |
| NSYTRP22 | PUSH-IN TERMINAL, FEED THROUGH, 2 POINTS | C-86, D-112 |
| NSYTRP22AR | PUSH-IN TERMINAL, FEED THROUGH, 2 POINTS | C-86, D-112 |
| NSYTRP22BL | PUSH-IN TERMINAL, FEED THROUGH, 2 POINTS | C-86, D-112 |
| NSYTRP22PE | PUSH-IN TERMINAL, PROTECTIVE EARTH, 2 PO | C-86, D-112 |
| NSYTRP22SC | PUSH-IN TERMINAL, KNIFE DISCONNECT, 2 PO | C-86, D-112 |
| NSYTRP23 | PUSH-IN TERMINAL, FEED THROUGH, 3 POINTS | C-86, D-112 |
| NSYTRP23AR | PUSH-IN TERMINAL, FEED THROUGH, 3 POINTS | C-86, D-112 |
| NSYTRP23BL | PUSH-IN TERMINAL, FEED THROUGH, 3 POINTS | C-86, D-112 |

| Com. ref. | Description | Page |
|--------------------|--|-------------|
| NSYTRP23PE | PUSH-IN TERMINAL, PROTECTIVE EARTH, 3 PO | C-86, D-112 |
| NSYTRP23SC | PUSH-IN TERMINAL, KNIFE DISCONNECT, 3 PO | C-86, D-112 |
| NSYTRP23TB | PUSH-IN TERM 2,5sqmm BASIC DISCO, 3 PTS | C-86, D-112 |
| NSYTRP24 | PUSH-IN TERMINAL, FEED THROUGH, 4 POINTS | C-86, D-112 |
| NSYTRP24BL | PUSH-IN TERMINAL, FEED THROUGH, 4 POINTS | C-86, D-112 |
| NSYTRP24D | PUSH-IN TERMINAL, DOUBLE LEVEL, 4 POINTS | C-86, D-112 |
| NSYTRP24DBL | PUSH-IN TERMINAL, DOUBLE LEVEL, 4 POINTS | C-86, D-112 |
| NSYTRP24PE | PUSH-IN TERMINAL, PROTECTIVE EARTH, 4 PO | C-86, D-112 |
| NSYTRP26T | PUSH-IN TERMINAL, | C-86, D-112 |
| NSYTRP42 | PUSH-IN TERMINAL, FEED THROUGH, 2 POINTS | C-86, D-112 |
| NSYTRP42BL | PUSH-IN TERMINAL, FEED THROUGH, 2 POINTS | C-86, D-112 |
| NSYTRP42PE | PUSH-IN TERMINAL, PROTECTIVE EARTH, 2 PO | C-86, D-112 |
| NSYTRP42TB | PUSH-IN TERMINAL, BASIC DISCONNECT TERMI | C-86, D-112 |
| NSYTRP43 | PUSH-IN TERMINAL, FEED THROUGH, 3 POINTS | C-86, D-112 |
| NSYTRP43BL | PUSH-IN TERMINAL, FEED THROUGH, 3 POINTS | C-86, D-112 |
| NSYTRP43PE | PUSH-IN TERMINAL, PROTECTIVE EARTH, 3 PO | C-86, D-112 |
| NSYTRP44 | PUSH-IN TERMINAL, FEED THROUGH, 4 POINTS | C-86, D-112 |
| NSYTRP44BL | PUSH-IN TERMINAL, FEED THROUGH, 4 POINTS | C-86, D-112 |
| NSYTRP44D | PUSH-IN TERM 4sqmm DOUBLE LVL, 4 PTS | C-86, D-112 |
| NSYTRP44DBL | PUSH-IN TERM 4sqmm DOUBLE LVL, 4PTS BL | C-86, D-112 |
| NSYTRP44DPE | PUSH-IN TERM, 4sqmm DOUBLE LVL, PROTEC.E | C-86, D-112 |
| NSYTRP44PE | PUSH-IN TERMINAL, PROTECTIVE EARTH, 4 PO | C-86, D-112 |
| NSYTRP62 | PUSH-IN TERM 6sqmm FEED THROUGH, 2 PTS | C-86, D-112 |
| NSYTRP62BL | PUSH-IN TERM 6sqmm FEED THROUGH, BL | C-86, D-112 |
| NSYTRP62PE | PUSH-IN TERM 6sqmm PROTEC. EARTH, 2 PTS | C-86, D-112 |
| NSYTRP63 | PUSH-IN TERM 6sqmm FEED THROUGH, 3 PTS | C-86, D-112 |
| NSYTRP102 | PUSH-IN TERM 10sqmm FEED THROUGH, 2 PTS | C-86, D-112 |
| NSYTRP102BL | PUSH-IN TERM 10sqmm FEED THROUGH, BL | C-86, D-112 |
| NSYTRP102PE | PUSH-IN TERM 10sqmm PROTECT. EARTH, 2PTS | C-86, D-112 |
| NSYTRP162 | PUSH-IN TERM 16sqmm FEED THROUGH, 2 PTS | C-86, D-112 |
| NSYTRP162BL | PUSH-IN TERM, 16sqmm FEED THROUGH, BL | C-86, D-112 |
| NSYTRP162PE | PUSH-IN TERM 16sqmm PROTECT. EARTH, 2PTS | C-86, D-112 |

PrismaSeT P Specific Applications - Index

Index of Commercial References with Description

| Com. ref. | Description | Page | Com. ref. | Description | Page |
|--------------------|--|-------------|----------------------|--|-------------|
| NSYTRR22 | SPRING TERMINAL, FEED THROUGH, 2 POINTS, | C-86, D-112 | NSYTRV22BL | SCREW TERMINAL, FEEDTHROUGH, 2Pts,2,5MM | C-86, D-112 |
| NSYTRR22BL | SPRING TERMINAL, FEED THROUGH, 2 POINTS, | C-86, D-112 | NSYTRV22M | SCREW TERMINAL, MINI, FOR 15MM DIN RAIL, | C-86, D-112 |
| NSYTRR22PE | SPRING TERMINAL, PROTECTIVE EARTH, 2 POI | C-86, D-112 | NSYTRV22MBL | SCREW TERMINAL, MINI, FOR 15MM DIN RAIL, | C-86, D-112 |
| NSYTRR22SC | SPRING TERMINAL, KNIFE DISCONNECT, 2 POI | C-86, D-112 | NSYTRV22MPE | SCREW TERMINAL, MINI, FOR 15MM DIN RAIL, | C-86, D-112 |
| NSYTRR23 | SPRING TERMINAL, FEED THROUGH, 3 POINTS, | C-86, D-112 | NSYTRV22PE | SCREW TERMINAL, PROTECTION, 2Pts,2,5MM | C-86, D-112 |
| NSYTRR23BL | SPRING TERMINAL, FEED THROUGH, 3 POINTS, | C-86, D-112 | NSYTRV22SC | SCREW TERMINAL, KNIFE DISCONNECT, 2 POIN | C-86, D-112 |
| NSYTRR23PE | SPRING TERMINAL, PROTECTIVE EARTH, 3 POI | C-86, D-112 | NSYTRV22ST | SCREW TERMINAL, KNIFE DISCONNECT, 2 POIN | C-86, D-112 |
| NSYTRR23SC | SPRING TERMINAL, KNIFE DISCONNECT, 3 POI | C-86, D-112 | NSYTRV24D | SCREW TERMINAL,2 LEVEL, 4PTS,2,5MMA | C-86, D-112 |
| NSYTRR24 | SPRING TERMINAL, FEED THROUGH, 4 POINTS, | C-86, D-112 | NSYTRV24DBL | SCREW TERMINAL,2 LEVEL, 4PTS,2,5MMA | C-86, D-112 |
| NSYTRR24BL | SPRING TERMINAL, FEED THROUGH, 4 POINTS, | C-86, D-112 | NSYTRV26T | SCREW TERMINAL,3 LEVEL, 6PTS,2,5MMA | C-86, D-112 |
| NSYTRR24D | SPRING TERMINAL, DOUBLE LEVEL, 4 POINTS, | C-86, D-112 | NSYTRV42 | SCREW TERMINAL, FEED THROUGH, 2 POINTS, | C-86, D-112 |
| NSYTRR24PE | SPRING TERMINAL, PROTECTIVE EARTH, 4 POI | C-86, D-112 | NSYTRV42AR | SCREW TERMINAL, FEED THROUGH, 2Pts,4MMA | C-86, D-112 |
| NSYTRR26T | SPRING TERMINAL, | C-86, D-112 | NSYTRV42BL | SCREW TERMINAL, FEED THROUGH, 2Pts,4MMA | C-86, D-112 |
| NSYTRR42 | SPRING TERMINAL, FEED THROUGH, 2 POINTS, | C-86, D-112 | NSYTRV42M | SCREW TERMINAL, MINI, FOR 15MM DIN RAIL, | C-86, D-112 |
| NSYTRR42BL | SPRING TERMINAL, FEED THROUGH, 2 POINTS, | C-86, D-112 | NSYTRV42MBL | SCREW TERMINAL, MINI, FOR 15MM DIN RAIL, | C-86, D-112 |
| NSYTRR42PE | SPRING TERMINAL, PROTECTIVE EARTH, 2 POI | C-86, D-112 | NSYTRV42MPE | SCREW TERMINAL, MINI, FOR 15MM DIN RAIL, | C-86, D-112 |
| NSYTRR43 | SPRING TERMINAL, FEED THROUGH, 3 POINTS, | C-86, D-112 | NSYTRV42PE | SCREW TERMINAL, PROTECTION, 2Pts,4MMA | C-86, D-112 |
| NSYTRR44 | SPRING TERMINAL, FEED THROUGH, 4 POINTS, | C-86, D-112 | NSYTRV42SF5 | SCREW TERMINAL, FUSED, FOR 5X20,5X25,5X3 | C-86, D-112 |
| NSYTRR44D | SPRING TERMINAL, DOUBLE LEVEL, 4 POINTS, | C-86, D-112 | NSYTRV42SF5LA | TERM BLOCK,LIGHT IND,FUSED 5X20/25/30MM | C-86, D-112 |
| NSYTRR44DBL | SPRING TERMINAL, DOUBLE LEVEL, 4 POINTS, | C-86, D-112 | NSYTRV42SF5LD | SCREW TERMINAL, FUSED, FOR 5X20/25/30MM | C-86, D-112 |
| NSYTRR44PE | SPRING TERMINAL, PROTECTIVE EARTH, 4 POI | C-86, D-112 | NSYTRV42TB | SCREW TERMINAL, BASIC DISCONNECT TERMINA | C-86, D-112 |
| NSYTRR62 | SPRING TERMINAL, FEED THROUGH, 2 POINTS, | C-86, D-112 | NSYTRV43 | SCREW TERMINAL, FEED THROUGH, 3Pts,4MMA | C-86, D-112 |
| NSYTRR62BL | SPRING TERMINAL, FEED THROUGH, 2 POINTS, | C-86, D-112 | NSYTRV43BL | SCREW TERMINAL, FEED THROUGH, 3Pts,4MM2 | C-86, D-112 |
| NSYTRR62PE | SPRING TERMINAL, PROTECTIVE EARTH, 2 POI | C-86, D-112 | NSYTRV43PE | SCREW TERMINAL, PROTECTIVE EARTH, 3 POIN | C-86, D-112 |
| NSYTRR102 | SPRING TERMINAL, FEED THROUGH, 2 POINTS, | C-86, D-112 | NSYTRV44 | SCREW TERMINAL, FEED THROUGH, 4 POINTS, | C-86, D-112 |
| NSYTRR102BL | SPRING TERMINAL, FEED THROUGH, 2 POINTS, | C-86, D-112 | NSYTRV44BL | SCREW TERMINAL, FEED THROUGH, 4 POINTS, | C-86, D-112 |
| NSYTRR102PE | SPRING TERMINAL, PROTECTIVE EARTH, 2 POI | C-86, D-112 | NSYTRV44D | SCREW TERMINAL, DOUBLE LEVEL, 4 POINTS, | C-86, D-112 |
| NSYTRR162 | SPRING TERMINAL, FEED THROUGH, 2 POINTS, | C-86, D-112 | NSYTRV44DBL | SCREW TERMINAL, DOUBLE LEVEL, 4 POINTS, | C-86, D-112 |
| NSYTRR162BL | SPRING TERMINAL, FEED THROUGH, 2 POINTS, | C-86, D-112 | NSYTRV44PE | SCREW TERMINAL, PROTECTIVE EARTH, 4 POIN | C-86, D-112 |
| NSYTRR162PE | SPRING TERMINAL, PROTECTIVE EARTH, 2 POI | C-86, D-112 | NSYTRV62 | SCREW TERMINAL, FEED THROUGH, 2 POINTS, | C-86, D-112 |
| NSYTRV22 | SCREW TERMINAL FEEDTHROUGH, 2Pts,2,5MMA | C-86, D-112 | NSYTRV62BL | SCREW TERMINAL, FEED THROUGH, 2 POINTS, | C-86, D-112 |
| NSYTRV22AR | SCREW TERMINAL, FEEDTHROUGH, 2Pts,2,5MM2 | C-86, D-112 | | | |



| Com. ref. | Description | Page |
|---------------------|--|-------------|
| NSYTRV62PE | SCREW TERMINAL, PROTECTIVE EARTH, 2 POIN | C-86, D-112 |
| NSYTRV62TT | SCREW TERMINAL, FEED THROUGH, MEASURING | C-86, D-112 |
| NSYTRV62TTD | SCREW TERMINAL, DISCONNECT, MEASURING TR | C-86, D-112 |
| NSYTRV62TTPE | SCREW TERMINAL, PROTECTIVE EARTH, MEASUR | C-86, D-112 |
| NSYTRV102 | SCREW TERMINAL, FEED THROUGH, 2 POINTS, | C-86, D-112 |
| NSYTRV102BL | SCREW TERMINAL, FEED THROUGH, 2 POINTS, | C-86, D-112 |
| NSYTRV102PE | SCREW TERMINAL, PROTECTIVE EARTH, 2 POIN | C-86, D-112 |
| NSYTRV162 | SCREW TERMINAL, FEED THROUGH, 2 POINTS, | C-86, D-112 |
| NSYTRV162BL | SCREW TERMINAL, FEED THROUGH, 2 POINTS, | C-86, D-112 |
| NSYTRV162PE | SCREW TERMINAL, PROTECTIVE EARTH, 2 POIN | C-86, D-112 |

R

| | | |
|------------------|--|-------|
| R9XE110 | R9 SET OF 10 END CAPS XB 1P | D-105 |
| R9XE210 | R9 SET OF 10 END CAPS XB 2P | D-105 |
| R9XE310 | R9 SET OF 10 END CAPS XB 3P | D-105 |
| R9XE410 | R9 SET OF 10 END CAPS XB 4P | D-105 |
| R9XFH112 | R9 COMB BUSBAR XB 1P 12 MOD 63A | D-105 |
| R9XFH118 | R9 COMB BUSBAR XB 1P 18 MOD 63A | D-105 |
| R9XFH157 | R9 COMB BUSBAR XB 1P 57 MOD 63A | D-105 |
| R9XFH212 | R9 COMB BUSBAR XB 2P 12 MOD 63A | D-105 |
| R9XFH218 | R9 COMB BUSBAR XB 2P 18 MOD 63A | D-105 |
| R9XFH257 | R9 COMB BUSBAR XB 2P 57 MOD 63A | D-105 |
| R9XFH312 | R9 COMB BUSBAR XB 3P 12 MOD 63A | D-105 |
| R9XFH318 | R9 COMB BUSBAR XB 3P 18 MOD 63A | D-105 |
| R9XFH357 | R9 COMB BUSBAR XB 3P 57 MOD 63A | D-105 |
| R9XFH412 | R9 COMB BUSBAR XB 4P 12 MOD 63A | D-105 |
| R9XFH418 | R9 COMB BUSBAR XB 4P 18 MOD 63A | D-105 |
| R9XFH457 | R9 COMB BUSBAR XB 4P 57 MOD 63A | D-105 |
| R9XFH518 | R9 COMB BUSBAR XB BALANCED 4P 18 MOD 63A | D-105 |
| R9XFH518G | R9 COMB BUSBAR XB HOG BALANCED 4P 18 MOD | D-105 |
| R9XFH557 | R9 COMB BUSBAR XB BALANCED 4P 57 MOD 63A | D-105 |
| R9XT20 | R9 SET OF 20 TOOTH CAPS | D-105 |

X

| | | |
|--------------------|--|-------|
| XB5PRJ45SP1 | RJ45 interface, Ethernet, plastic cover | D-106 |
| XB5PUSB3SP1 | USB 3.0 interface, type A, plastic cover | D-106 |



Overview

Prisma**SeT** G Enclosures up to 630 A
Prisma**SeT** P Cubicles up to 4000 A

B-4
B-5

B

To respond to increasing building requirements



Improve the continuity of service



Ensure the safety of life and property

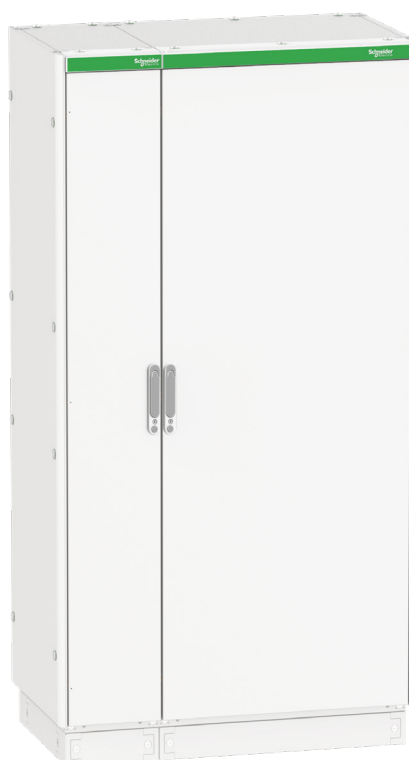


Control deadlines and costs

PrismaSeT:

The optimised, tested and IEC compliant solution, for low voltage electrical distribution and control switchboards.

B



PrismaSeT, A comprehensive range of enclosures and cubicles

- > A solution based on more than **30 years of experience** in low voltage switchboards.
- > Integrating Schneider Electric switchgear offerings and ensuring electrical, mechanical, and communication **functions complete consistency**.
- > Quality production, **certified ISO 9001** and manufactured in Montmélian (France).

PrismaSeT G Enclosures up to 630 A



250 A

PrismaSeT G Pack 250

- Schools
- Small shops
- Hotels, etc.



630 A

- Small companies
- Buildings
- Offices
- Laboratories
- Healthcare centres
- Hotels
- Supermarkets
- Malls, etc.

PrismaSeT G



PrismaSeT P Cubicles up to 4000 A

The optimised, tested, and IEC compliant solution, for low voltage electrical distribution and control switchboards.



B

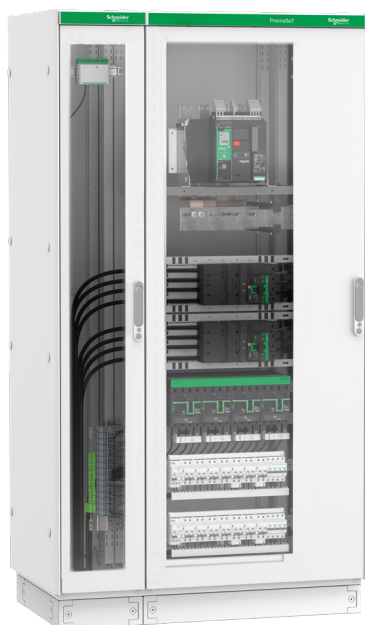
- Hospitals
- Data centres
- Logistics centres
- Shopping centres
- Offices buildings
- Medium industrial solutions

PrismaSeT P



PrismaSeT P specific applications

- PrismaSeT P 690 V AC
- PrismaSeT P Internal Arc



Energy management has never been simpler

Smart Panels connect you to energy savings in three steps.

1. Measure

Embedded and stand-alone metering & control capabilities

- Embedded and stand-alone metering
- Control capabilities

2. Connect

- Integrated communication interfaces
- Ready to connect to energy management platforms

3. Act

- Data-driven energy efficiency actions
- Real time monitoring and control
- Access to energy and site information through on-line services



Tested, Validated, Documented Smart Panels architecture
 Smart Panels have been certified via Schneider Electric's "TVDA" quality process
 Tested in performance labs by experts, in the most common configuration
 Validated full functional compatibility of devices
 Documented, with user guide, predefined CAD panel designs & wiring diagrams

PrismaSeT P
690 V AC

Contents

Prisma**SeT** P 690 V AC

| | |
|------------------------------|-------|
| Overview | C-2 |
| Functional Units | C-7 |
| Cubicles | C-41 |
| Linergy Distribution Systems | C-71 |
| Functional Partitioning | C-91 |
| Disconnectable on Polyfast | C-99 |
| Additional Information | C-107 |





Less current, more power density; **smarter design** and **higher efficiency**

As electrification accelerates across buildings, electrical distribution systems must deliver more with less, especially over longer distances and in more demanding environments. As a result, **operators** and **designers face new challenges**:



Pressure to **reduce CapEx** and operational costs



Demand for **faster project delivery**



Need for modular, **scalable infrastructure**



Increasing focus on **energy efficiency** and **sustainability**

Why PrismaSeT P 690 V AC?

690 V distribution operates under more demanding electrical conditions than standard 415 V systems. This makes certified design, rigorous testing, and proven architecture essential.

PrismaSeT P 690 V AC is built and validated to meet these requirements, ensuring reliable and safe operation in high-performance environments.

By operating at higher voltage, it enables more efficient power transmission with lower current, reducing system losses across the installation.

This results in:



Lower energy losses over long cable runs



More compact and **optimized installations**



Reduced cable sizes and material usage

C

Where 690 V distribution delivers the most value



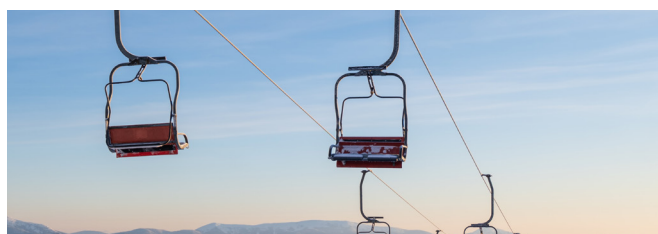
Industrial applications

Supports high-power loads with lower current, reducing cable sizing and distribution losses across large facilities.



Tunnels

Enables efficient long-distance power distribution with minimized voltage drop and optimized infrastructure footprint.



Ski Resorts

Improves power delivery efficiency across geographically dispersed installations and extended cable routes.



Large infrastructure

Optimizes power distribution in environments with distributed electrical loads and demanding uptime requirements.

Engineered for high-performance, long-distance power distribution

Designed to address the evolving challenges of electrification; higher power demand, longer distribution distances, and the need for faster, more efficient installations, PrismaSeT P 690 V AC combines performance, scalability, and cost efficiency in a single solution.



Ensuring compliance and operational confidence

- Designed in accordance with **IEC 61439-1 & 2** standards
- Supports safe, reliable, and verified LV power distribution



Delivering high-power distribution over longer distances

- Up to 3200 A with high short-circuit performance
- Covers the majority of LV distribution use cases



Adapting to evolving infrastructure needs

- Up to 36 vertical modules for flexible configurations
- Easily expandable to support evolving system requirements



Accelerating project delivery

- Functional system architecture simplifies engineering and assembly
- Linergy busbars reduce wiring time and installation cost



Supporting sustainability goals

- Helps reduce carbon footprint and material waste
- Enables energy-efficient infrastructure
- Reduced footprint and material usage



See PrismaSeT P in action

Discover how it enhances installation safety.



[Click to find out more](#)

Prisma**SeT** P 690 V AC Cubicles up to 3200 A - IP31 and IP55



C



Electrical characteristics

- Rated insulation level of main busbars: 1000 V
- InA: 3200 A
- Rated peak withstand current I_{pk}: 220 kA
- Rated short-time withstand current I_{sw}: 100 kA rms / 1 second
- Frequency: 50/60 Hz
- Voltage U_e = 690 V under conditions as described in this catalog.



Control devices should be connected to control circuit up to 415 V.



For Switchboard Assembly and Earthing Continuity instructions, refer *How to Assemble the Electrical Switchboard* Guide PHA2165500.



Electrical switchboards built using the Prisma**SeT** P functional system and Schneider Electric recommendations fully comply with international standards IEC 61439-1 and 2.



Mechanical characteristics

- Steel sheet metal
- Cataphoresis treatment + hot-polymerised polyester epoxy powder, white color RAL 9003
- Can be dismantled
- Can be combined side-by-side and back-to-back
- Degree of protection:
 - IP31
 - IP55
- Degree of protection against mechanical impacts:
 - IK10
- Framework dimensions:
 - four widths:
 - W = 300: cable compartment
 - W = 400: cable compartment or device compartment
 - W = 650: device compartment or cable compartment
 - W = 800: device compartment with busbar compartment or cable compartment
 - Two depths: 400, 600 mm
 - Height: 2000 mm
- Indoor cubicles

Functional Units

Contents

Circuit breakers

MasterPact MTZ2

| | |
|------------------------------------|------|
| Cables connection | C-8 |
| Canalis connection | C-10 |
| Dedicated cubicle - W = 650 mm | C-12 |
| Partial front plate support frames | C-14 |

MasterPact MTZ1

| | |
|-----------------------------------|------|
| Cables connection | C-16 |
| Canalis connection | C-17 |
| Dedicated cubicle 3P - W = 400 mm | C-18 |

ComPacT NSX and NSXm

| | |
|--|------|
| ComPacT NSX 100 to 250 - Horizontal mounting | C-20 |
| ComPacT NSX 400 to 630 - Horizontal mounting | C-21 |
| ComPacT NSX 100 to 630 - Horizontal mounting | C-22 |
| ComPacT NSXm up to 63 - Horizontal mounting | C-23 |

Source-changeover

| | |
|-----------------------------------|------|
| MasterPact MTZ1 06/16, MTZ2 08/32 | C-24 |
| MasterPact MTZ2 08/32 | C-25 |
| MasterPact MTZ1 06/16 | C-29 |

Others

| | |
|----------------------------|------|
| Industrial control devices | C-32 |
|----------------------------|------|

Modular devices

| | |
|------------------------------|------|
| Acti 9 ≤ 63 A | C-33 |
| 80/160 A switchboard incomer | C-34 |

Metering

| | |
|---|------|
| Single-phase and 3-phase kilowatt-hour meters | C-35 |
|---|------|

Metering and human-switchboard interface

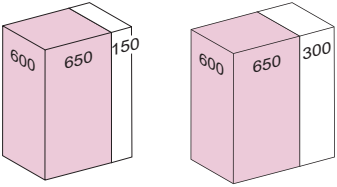
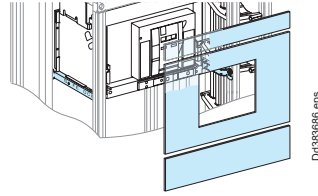
| | |
|--------------------|------|
| PowerLogic™ Meters | C-36 |
|--------------------|------|

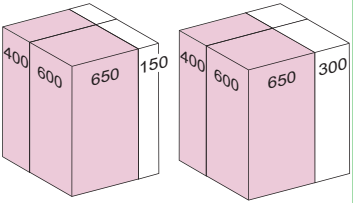
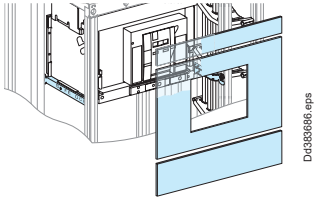
MasterPact MTZ2 08 to 32


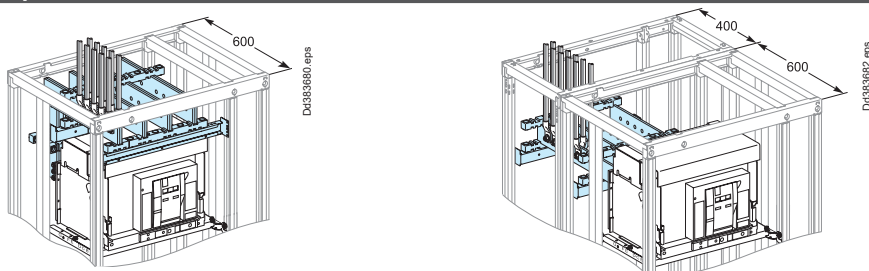
Cables connection

Fixed, withdrawable

Circuit breakers

| Mounting | | Front connection | | | |
|---|--|---|------------|---------------------|------------|
|  | |  | | | |
| Devices | | Fixed device | | Withdrawable device | |
| | | MTZ2 08/16 | MTZ2 20/32 | MTZ2 08/16 | MTZ2 20/32 |
| Number of devices per row | | 1 | 1 | 1 | 1 |
| No. of vertical modules ⁽¹⁾ | | 18 | 19 | 19 | 20 |
| Mounting plates | | LVS03500 | | LVS03500 | |
| Front plates | | upstream LVS03804 [4] | | LVS03804 [4] | |
| [No. of vertical modules] | | with cut-out LVS03711 [9] | | LVS03710 [10] | |
| | | downstream LVS03805 [5] | | LVS03805 [5] | |

| Mounting | | Rear connection | | | |
|--|--|--|------------|---------------------|------------|
|  | |  | | | |
| Devices | | Fixed device | | Withdrawable device | |
| | | MTZ2 08/16 | MTZ2 20/32 | MTZ2 08/16 | MTZ2 20/32 |
| Number of devices per row | | 1 | 1 | 1 | 1 |
| No. of vertical modules | | 14 | 14 | 15 | 15 |
| Mounting plates | | LVS03500 | | LVS03500 | |
| Front plates | | with cut-out LVS03711 [9] | | LVS03710 [10] | |
| [No. of vertical modules] | | downstream LVS03805 [5] | | LVS03805 [5] | |

| Connection | | Upstream on incomer | |
|---|--|--|---------------------|
|  | |  | |
| Devices | | Fixed device | Withdrawable device |
| | | MTZ2 08/32 | MTZ2 08/32 |
| Type of terminals | | Vertical rear connections supplied with the device | |
| Connection | | must be made ⁽²⁾ | |
| Front connection | | bar supports 2 x LVS04694 + LVS04678 | |
| | | cables cover LVS04861 | |
| Rear connection | | bar supports 2 x LVS04694 | |
| | | cables cover LVS04863 | |

(1) For downstream connection with copper.

For downstream prefabricated connection with Linergy LGYE, 1 additional module is required only for MTZ2 3200 A. Select downstream plain front plate (LVS03806).


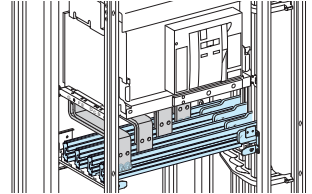
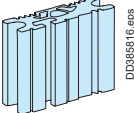
(2) Connection to be made according to the busbar drawings supplied by Schneider Electric.

MasterPact MTZ2 08 to 32

Cables connection

Fixed, withdrawable

Circuit breakers

| Distribution | | Downstream on Linergy LGYE busbars | | | | | |
|---|--------------|---|----|--------------------------------------|--------------|-----------------------------------|-------------------------|
|  | |  | | | | | |
| Devices | | Fixed and withdrawable MTZ2 08/16 | | Fixed and withdrawable MTZ2 20/25 | | Fixed and withdrawable MTZ2 32 | |
| | | 3P | 4P | 3P | 4P | 3P | 4P |
| Type of terminals | | Front connections supplied with the device. | | | | | |
| For vertical busbar Lineray LGYE ⁽¹⁾  | Connection | - | - | LVS04495 | LVS04496 | LVS04497 ⁽²⁾ | LVS04498 ⁽²⁾ |
| | Joint | - | - | 3 x LVS04685 | 4 x LVS04685 | 3 x LVS04687 | 4 x LVS04687 |
| | Free support | 2 x LVS04662 For I _{cw} ≥ 75 kA rms, add an additional free support LVS04662. | | | | | |
| | Cover | LVS04925 + LVS04928 | | | | | |

(1) For LGYE 08/25, use a duct W = 150 mm. For LGYE 32, use a duct W = 300 mm.

(2) One additional module is required, select LVS03806 plain front plate for downstream.

Note: To make measurements, install the CTs preferably upstream, on the supply terminal extension bars or install the CTs on the horizontal busbars (busbar connection). In this case, add one module and a plain front plate (LVS03801) or install a Micrologic control unit capable of displaying the values.
Selection of busbars: Linergy LGYE > page C-72.

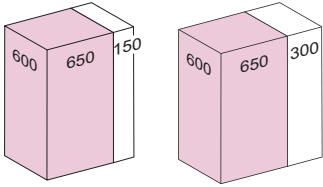
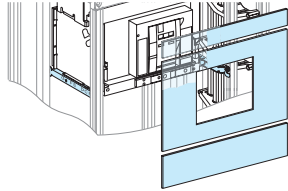


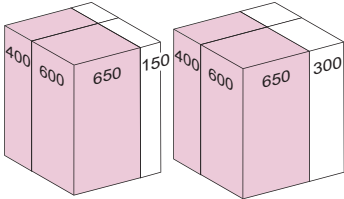
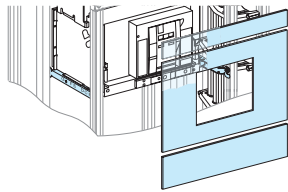
MasterPact MTZ2 08 to 32


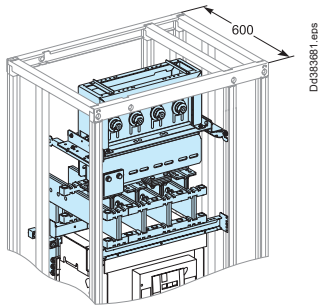
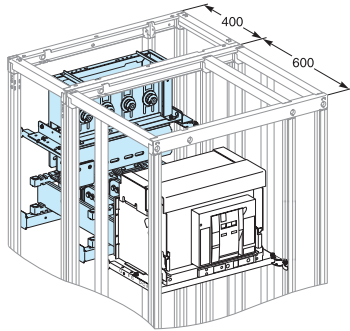
Canalis connection

Fixed, withdrawable

Circuit breakers

| Mounting | | Front connection | | | |
|---|--------------|---|-----------------------------------|---------------------|----------------------------------|
|  | |  | | | |
| Devices | | Fixed device | | Withdrawable device | |
| | | MTZ2 08/16 | MTZ2 20/32 | MTZ2 08/16 | MTZ2 20/32 |
| Number of devices per row | | 1 | 1 | 1 | 1 |
| No. of vertical modules ⁽¹⁾ | | 27 | 28 | 27 | 28 |
| Mounting plates | | LVS03500 | LVS03500 | LVS03500 | LVS03500 |
| Front plates [No. of vertical modules] | upstream | LVS03805 [5] 2 x LVS03804 [8] | 2 x LVS03805 [10] LVS03804 [4] | 3 x LVS03804 [12] | LVS03805 [5] 2 x LVS03804 [8] |
| | with cut-out | LVS03711 [9] | LVS03711 [9] | LVS03710 [10] | LVS03710 [10] |
| | downstream | LVS03805 [5] | LVS03805 [5] | LVS03805 [5] | LVS03805 [5] |

| Mounting | | Rear connection | | | |
|--|--------------|--|--------------------------------|--------------------------------|--------------------------------|
|  | |  | | | |
| Devices | | Fixed device | | Withdrawable device | |
| | | MTZ2 08/16 | MTZ2 20/32 | MTZ2 08/16 | MTZ2 20/32 |
| Number of devices per row | | 1 | 1 | 1 | 1 |
| No. of vertical modules | | 16 | 16 | 17 | 17 |
| Mounting plates | | LVS03500 | LVS03500 | LVS03500 | LVS03500 |
| Front plates [No. of vertical modules] | upstream | LVS03804 [4] + LVS03803 [3] | LVS03804 [4] + LVS03803 [3] | LVS03804 [4] + LVS03803 [3] | LVS03804 [4] + LVS03803 [3] |
| | with cut-out | LVS03711 [9] | LVS03711 [9] | LVS03710 [10] | LVS03710 [10] |

| Connection | | Upstream on incomer | | | | | | | | | | | |
|---|----------------|---|------------|----------|---------------------|------------|--|------------|------------|----------|----------|----------|----------|
|  | |  | | | | |  | | | | | | |
| Devices | | Fixed device | | | Withdrawable device | | | | | | | | |
| | | MTZ2 08/16 | MTZ2 20/25 | MTZ2 32 | MTZ2 08/16 | MTZ2 20/25 | MTZ2 32 | MTZ2 08/16 | MTZ2 20/25 | MTZ2 32 | | | |
| Type of terminals | | Vertical rear connections supplied with the device | | | | | | | | | | | |
| Canalis support | | LVS03561 | | | | | | | | | | | |
| Canalis interface ⁽²⁾ | | 3P | 4P | 3P | 4P | 3P | 4P | 3P | 4P | 3P | 4P | | |
| | | LVS04715 | LVS04716 | LVS04725 | LVS04726 | LVS04735 | LVS04736 | LVS04715 | LVS04716 | LVS04725 | LVS04726 | LVS04735 | LVS04736 |
| Front connection | Bar supports | 2 x LVS04694 + LVS04678 | | | | | | | | | | | |
| | Extension bars | must be made ⁽³⁾ | | | | | | | | | | | |
| | Canalis Cover | LVS04871 + LVS04861 | | | | | | | | | | | |
| Rear connection | Bar supports | 2 x LVS04694 | | | | | | | | | | | |
| | Extension bars | must be made ⁽³⁾ | | | | | | | | | | | |
| | Canalis Cover | LVS04871 + LVS04863 | | | | | | | | | | | |

(1) For downstream connection with copper.

For downstream prefabricated connection with Linergy LGYE, 1 additional module is required only for MTZ2 3200 A. Select downstream plain front plate (LVS03806).

(2) To tight the screws of the Canalis interface use the special tool 87808.


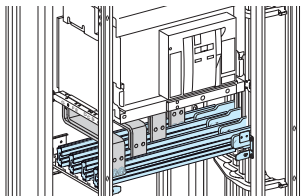
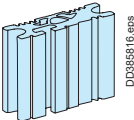
(3) Connection to be made according to the busbar drawings supplied by Schneider Electric.

MasterPact MTZ2 08 to 32

Canalis connection

Fixed, withdrawable

Circuit breakers

| Distribution | | Downstream on Linergy LGYE busbars | | | | | |
|--|--------------|---|----|--------------|--------------|-------------------------|-------------------------|
|  | |  | | | | | |
| Fixed / Withdrawable devices | | MTZ2 08/16 | | MTZ2 20/25 | | MTZ2 32 | |
| | | 3P | 4P | 3P | 4P | 3P | 4P |
| Type of terminals | | Front connections supplied with the device. | | | | | |
|  For vertical busbar Linergy LGYE ⁽¹⁾ | Connection | – | – | LVS04495 | LVS04496 | LVS04497 ⁽²⁾ | LVS04498 ⁽²⁾ |
| | Joint | – | – | 3 x LVS04685 | 4 x LVS04685 | 3 x LVS04687 | 4 x LVS04687 |
| | Free support | 2 x LVS04662 For I _{cw} ≥ 75 kA rms, add an additional free support LVS04662. | | | | | |
| | Cover | LVS04925 + LVS04928 | | | | | |

(1) For LGYE 08/25, use a duct W = 150 mm. For LGYE 32, use a duct W = 300 mm.

(2) One additional module is required, select LVS03806 plain front plate for downstream.

Note: To make measurements, install the CTs preferably upstream, on the supply terminal extension bars or install the CTs on the horizontal busbars (busbar connection). In this case, add one module and a plain front plate (LVS03801) or install a Micrologic control unit capable of displaying the values.
 Selection of busbars: Linergy LGYE > page C-72.

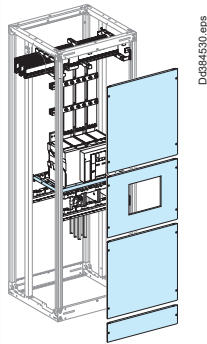
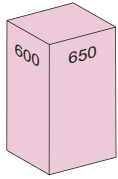
MasterPact MTZ2 08 to 32

Dedicated cubicle - W = 650 mm

Fixed, withdrawable

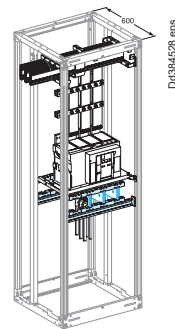
Circuit breakers

Mounting Dedicated cubicle



| Devices | Fixed device | Withdrawable device |
|---|-------------------------|-------------------------------------|
| | MTZ2 08/32 | MTZ2 08/32 |
| Number of devices per row | 1 | 1 |
| No. of vertical modules | 36 | 36 |
| Mounting plates | LVS03500 | LVS03500 |
| Front plates [No. of vertical modules] | upstream ⁽¹⁾ | LVS03808 [12] |
| | with cut-out | LVS03711 [9] |
| | downstream | LVS03808 [12] + LVS03803 [3] |
| | | LVS03808 [12] + LVS03802 [2] |

Connection Upstream with bottom cables



| Fixed / Withdrawable devices | MTZ2 08/32 |
|--|-----------------------------|
| Type of terminals | Vertical rear connectors |
| Terminal extension bars for connection | must be made ⁽²⁾ |
| Terminal extension bar supports | LVS04694 x 2 |
| Cables cover | LVS04861 |

(1) One or two 3-module front plates for 72 x 72 and 96 x 96 mm measurement devices can be installed just above the cut-out front plate:
 ■ 2 or 3-module front plates + 1 plain front plate **LVS03806** (6 modules).

(2) Connection to be made according to the busbar drawings supplied by Schneider Electric.


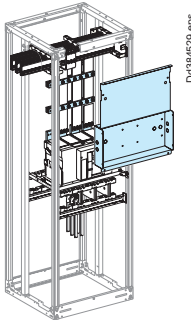
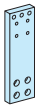
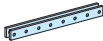

Human-switchboard interface > page C-36.

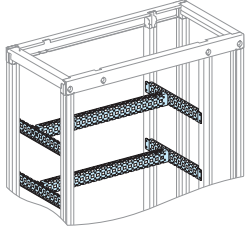
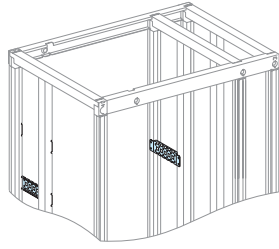
MasterPact MTZ2 08 to 32

Dedicated cubicle - W = 650 mm

Fixed, withdrawable

Circuit breakers

| Distribution | Downstream up links on horizontal busbars Linergy LGYE | | |
|--|---|-------------------|----------------|
|  |  | | |
| Fixed / Withdrawable devices | MTZ2 08/16 | MTZ2 20/25 | MTZ2 32 |
| Type of terminals  | Front connection | | |
| Spacing rods for flat bars  | LVS04690 x 2 | LVS04690 x 2 | LVS04690 x 2 |
| Connection | Connection must be made ⁽¹⁾ | | |
| horizontal 3200 A mounting hardware | - | | |
| Busbar cover ⁽²⁾  | LVS04860 | LVS04860 | LVS04860 |

| Accessories | |
|-----------------|--|
| |   |
| | Cross-members |
| Catalog number | LVS03584 |
| Characteristics | Set of 2 For 650 mm wide and 400 mm deep cubicle |
| | LVS03586 |
| | Set of 2 W = 200 mm, can be added to the 400 mm cross-members for frameworks that are 600 mm deep. They can also be installed separately |

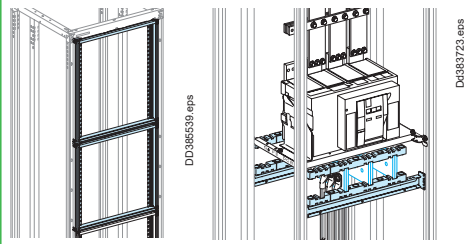
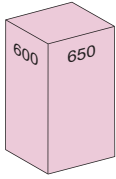
(1) Connection to be made according to the busbar drawings supplied by Schneider Electric.

(2) The cover is compulsory behind front plates designed for measurement devices.

MasterPact MTZ2 08 to 32
 Partial front plate support frames
 Withdrawable

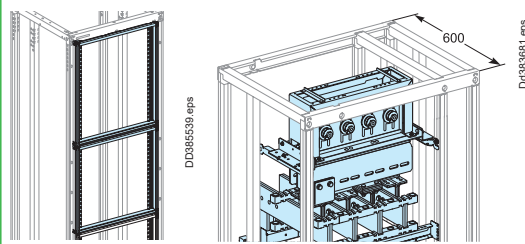
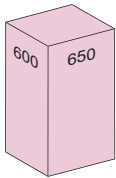
Circuit breakers

Mounting **Front connection with cables in dedicated cubicle**



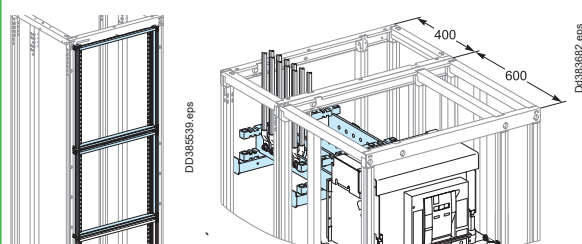
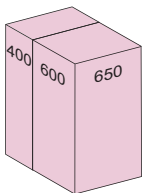
| | | |
|---|---|-------------------|
| Devices | Withdrawable device | |
| | MTZ2 08/32 | |
| No. of vertical modules | 36 ⁽³⁾ | |
| Mounting plates | LVS03500 | |
| Front plates [No. of vertical modules] | upstream | 2 x LVS03806 [12] |
| | with cut-out | LVS03709 [10] |
| | downstream | 2 x LVS03806 [12] |
| 1/3 front plate support frame | LVS08560 ⁽¹⁾ + 2 x LVS08562 ⁽²⁾ | |
| Cover | LVS04861 | |

Mounting **Canalis front connection**



| | | |
|---|---|-------------------|
| Devices | Withdrawable device | |
| | MTZ2 08/16 | MTZ2 20/32 |
| No. of vertical modules | 27 ⁽³⁾ | 28 ⁽³⁾ |
| Mounting plates | LVS03500 | |
| Front plates [No. of vertical modules] | upstream | 3 x LVS03804 [12] |
| | with cut-out | LVS03709 [10] |
| | downstream | LVS03804 [4] |
| 1/3 front plate support frame | LVS08560 ⁽¹⁾ + 2 x LVS08562 ⁽²⁾ | |
| Cover | LVS04861 | |

Mounting **Rear connection with cables**



| | | |
|---|---|---------------|
| Devices | Withdrawable device | |
| | MTZ2 08/32 | |
| No. of vertical modules | 15 ⁽³⁾ | |
| Mounting plates | LVS03500 | |
| Front plates [No. of vertical modules] | upstream | - |
| | with cut-out | LVS03709 [10] |
| | downstream | LVS03804 [4] |
| 1/3 front plate support frame | LVS08560 ⁽¹⁾ + 2 x LVS08562 ⁽²⁾ | |

(1) 1/3 front plate support frame 10 modules.
 (2) 1/3 front plate support frame 12 modules.
 (3) Modularity includes the space of one module between each front plate support frame.

MasterPact MTZ1 06 to 16

Cables connection

Fixed, withdrawable

Circuit breakers

| Mounting | | Front connection with cables | | | |
|---|--------------|------------------------------|--------------|---------------------|--------------|
| | | | | | |
| Devices | | Fixed device | | Withdrawable device | |
| | | MTZ1 06/10 | MTZ1 12/16 | MTZ1 06/10 | MTZ1 12/16 |
| Number of devices per row | | 1 | 1 | 1 | 1 |
| No. of vertical modules | | 12 | 14 | 13 | 15 |
| Mounting plates | | LVS03484 | LVS03484 | LVS03483 | LVS03483 |
| Front plates [No. of vertical modules] | upstream | LVS03802 [2] | LVS03804 [4] | LVS03802 [2] | LVS03804 [4] |
| | with cut-out | LVS03692 [7] | LVS03692 [7] | LVS03691 [8] | LVS03691 [8] |
| | downstream | LVS03803 [3] | LVS03803 [3] | LVS03803 [3] | LVS03803 [3] |

| Mounting | | Rear connection with cables | |
|---|--------------|-----------------------------|---------------------|
| | | | |
| Devices | | Fixed device | Withdrawable device |
| | | MTZ1 06/16 | MTZ1 06/16 |
| Number of devices per row | | 1 | 1 |
| No. of vertical modules | | 11 | 11 |
| Mounting plates | | LVS03484 | LVS03483 |
| Front plates [No. of vertical modules] | upstream | LVS03801 [1] | - |
| | with cut-out | LVS03692 [7] | LVS03691 [8] |
| | downstream | LVS03803 [3] | LVS03803 [3] |

| Connection | | Upstream on incomer | | | | | | | |
|------------------|---------------------------|--|-----------|------------|-----------|---------------------|-----------|------------|-----------|
| | | | | | | | | | |
| Devices | | Fixed device | | | | Withdrawable device | | | |
| | | MTZ1 06/10 | | MTZ1 12/16 | | MTZ1 06/10 | | MTZ1 12/16 | |
| | | 3P | 4P | 3P | 4P | 3P | 4P | 3P | 4P |
| Front connection | type of terminals | Front connections supplied with the device | | | | | | | |
| | vert. connection adapters | 33642 (1) | 33643 (1) | 33642 (1) | 33643 (1) | 33642 (1) | 33643 (1) | 33642 (1) | 33643 (1) |
| | cable-lug adapters | Direct | | 33644 (1) | 33645 (1) | Direct | | 33644 (1) | 33645 (1) |
| | spacing rods | - | | LVS04691 | | - | | LVS04691 | |
| | arc-chute cover | 47335 | 47336 | 47335 | 47336 | - | | | |
| | cables cover | LVS04852 | | | | | | | |
| Rear connection | type of terminals | Vertical rear connections supplied with the device | | | | | | | |
| | terminal extension bar | 2 x LVS04693 | | | | | | | |
| | support | | | | | | | | |
| | cables cover | LVS04854 | | | | | | | |
| | extension bars | must be made (2) | | | | | | | |

| Distribution | | Downstream on Linergy LGYE busbar | | | | | |
|-------------------------------------|--------------|--|----|---------|---------------------|----|---------|
| | | | | | | | |
| Devices | | Fixed device | | | Withdrawable device | | |
| | | MTZ1 06/12 | | MTZ1 16 | MTZ1 06/12 | | MTZ1 16 |
| | | 3P | 4P | 3P | 4P | 3P | 4P |
| Type of terminals | | Front connections supplied with the device | | | | | |
| Prefabricated connection to busbars | Linergy LGYE | must be made (2) | | | | | |
| Cover for busbars connection | | add free supports: 2 x LVS04662 | | | | | |
| | | LVS04926 | | | | | |

(1) Vertical connection adapters and cable-lug adapters and CT, are not compatible with input voltage ≥ 440 V due to mandatory barriers installation (LVS33648 or LVS33768).

(2) Connection to be made according to the busbar drawings supplied by Schneider Electric.

Note: To make measurements, install the CTs on the horizontal busbars (busbar connection); in this case, an additional module is required; add a plain front plate (LVS03801) or install a Micrologic control unit capable of displaying the values.
Selection of busbars: Linergy LGYE > page C-72.

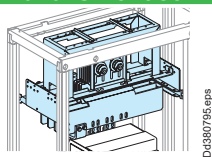
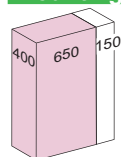
MasterPact MTZ1 06 to 16

Canalis connection

Fixed, withdrawable

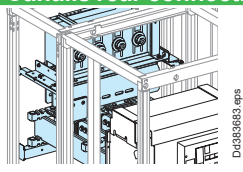
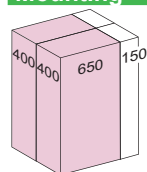
Circuit breakers

Mounting Canalis front connection



| Devices | Fixed device | | Withdrawable device | |
|---------------------------|--------------------------------------|---------|-----------------------------|---------|
| | MTZ1 06/12 | MTZ1 16 | MTZ1 06/12 | MTZ1 16 |
| Number of devices per row | 1 | - | 1 | - |
| No. of vertical modules | 17 | - | 18 | - |
| Mounting plates | LVS03484 | - | LVS03483 | - |
| Front plates | upstream LVS03804 [4] + LVS03803 [3] | - | LVS03804 [4] + LVS03803 [3] | - |
| [No. of vertical modules] | with cut-out LVS03692 [7] | - | LVS03691 [8] | - |
| | downstream LVS03803 [3] | - | LVS03803 [3] | - |

Mounting Canalis rear connection



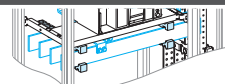
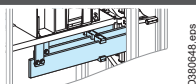
| Devices | Fixed device | | Withdrawable device | |
|---------------------------|---------------------------|---------|---------------------|---------|
| | MTZ1 06/16 | MTZ1 16 | MTZ1 06/16 | MTZ1 16 |
| Number of devices per row | 1 | - | 1 | - |
| No. of vertical modules | 16 | - | 16 | - |
| Mounting plates | LVS03484 | - | LVS03483 | - |
| Front plates | upstream LVS03806 [6] | - | LVS03805 [5] | - |
| [No. of vertical modules] | with cut-out LVS03692 [7] | - | LVS03691 [8] | - |
| | downstream LVS03803 [3] | - | LVS03803 [3] | - |

Connection Upstream on incomer



| Devices | Fixed device | | | | Withdrawable device | | | |
|--------------------------------|--|----------|----------|----------|---------------------|----------|----------|----------|
| | MTZ1 06/12 | | MTZ1 16 | | MTZ1 06/12 | | MTZ1 16 | |
| | 3P | 4P | 3P | 4P | 3P | 4P | 3P | 4P |
| Canalis support | LVS03561 | | | | - | | | |
| Canalis interface (1) | LVS04703 | LVS04704 | LVS04703 | LVS04704 | LVS04703 | LVS04704 | LVS04703 | LVS04704 |
| Front connection | Front connections supplied with the device | | | | | | | |
| Type of terminals | - | | | | | | | |
| Canalis/device connection | LVS04711 | LVS04712 | - | - | LVS04711 | LVS04712 | - | - |
| Arc-chute cover | 47335 | 47336 | - | - | - | - | - | - |
| Canalis cover | LVS04871 + LVS04852 | | | | LVS04871 + LVS04852 | | | |
| Rear connection | Vertical rear connections supplied with the device | | | | | | | |
| Type of terminals | - | | | | | | | |
| Terminal extension bar support | 2 x LVS04693 | | | | - | | | |
| Canalis/device connection | LVS04713 | LVS04714 | LVS04713 | LVS04714 | LVS04713 | LVS04714 | LVS04713 | LVS04714 |
| Cable cover | LVS04871 + LVS04854 | | | | | | | |
| Extension bars | must be made (2) | | | | | | | |

Distribution Downstream on Linergy LGYE busbar



| Devices | Fixed device | | | | Withdrawable device | | | |
|-------------------------------------|--|----|---------|----|---------------------|----|---------|----|
| | MTZ1 06/12 | | MTZ1 16 | | MTZ1 06/12 | | MTZ1 16 | |
| | 3P | 4P | 3P | 4P | 3P | 4P | 3P | 4P |
| Type of terminals | Front connections supplied with the device | | | | | | | |
| Prefabricated connection to busbars | Linergy LGYE must be made (2) | | | | | | | |
| Cover for busbars connection | add free supports: 2 x LVS04662 LVS04926 | | | | | | | |

(1) To tight the screws of the Canalis interface use the special tool 87808.

(2) Connection to be made according to the busbar drawings supplied by Schneider Electric.

Note: To make measurements, install the CTs on the horizontal busbars (busbar connection); in this case, an additional module is required; add a plain front plate (LVS03801) or install a Micrologic control unit capable of displaying the values.

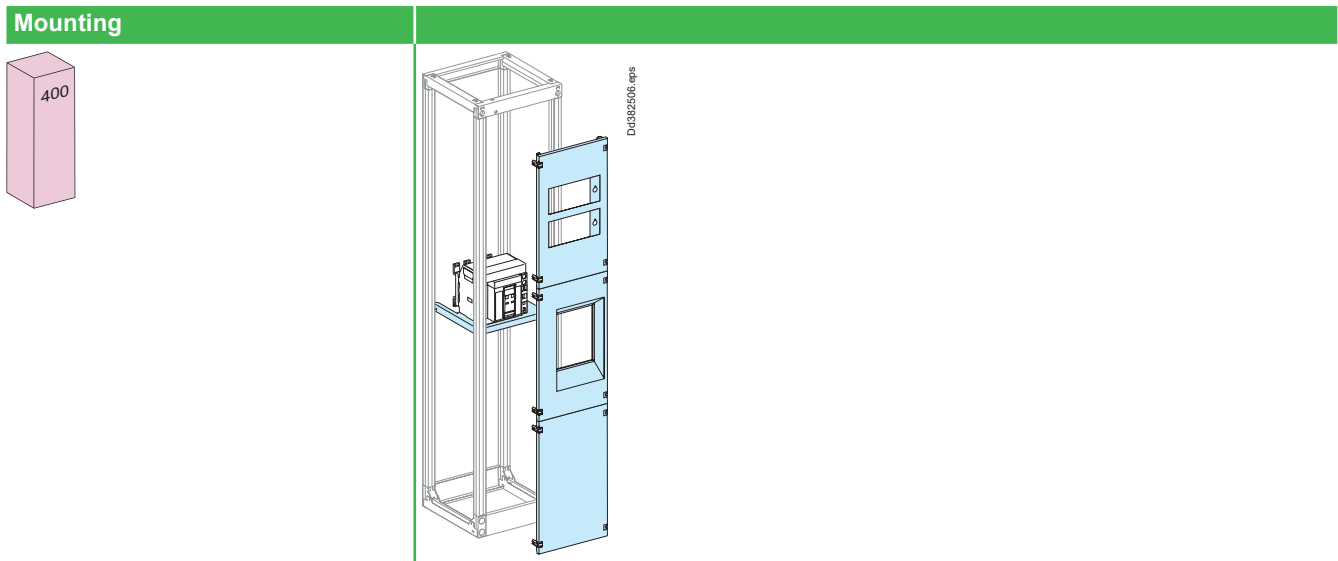
Selection of busbars: Linergy LGYE > page C-72.

MasterPact MTZ1 06 to 16

Dedicated cubicle 3P - W = 400 mm

Fixed, withdrawable

Circuit breakers



| Devices | Fixed device | Withdrawable device |
|-------------------------------|--|----------------------|
| | MTZ1 06 to MTZ1 16 | |
| Number of devices per cubicle | 1 | 1 |
| No. of vertical modules | 37 | 37 |
| Mounting plates | LVS03489 | LVS03488 |
| Front plates | LVS03698 [11] | LVS03699 [11] |
| [No. of vertical modules] | with cut-out upstream ⁽¹⁾ cut-out for 72 x 72 or 96 x 96 mm | LVS03723 [13] |
| | or plain | LVS03722 [13] |
| | downstream ⁽¹⁾ plain | LVS03722 [13] |

Measurement-device installation

Measurement devices are installed on a front plate (**LVS03723**) using plastic mounting plates with cut-outs.

The front plate can hold:

- Six 72 x 72 mm cases
- or,
- Four 96 x 96 mm cases + 2 switches.

| Number and type of devices per row | Metal front plate with cut-out | No. of vertical modules | Plastic mounting plates with cut-out | Blanking plate or device support |
|--|--|-------------------------|--------------------------------------|----------------------------------|
| Mounting on interface with plastic mounting plates | | | | |
| 3 x 72 x 72 Vigirex and other devices 72 x 72 without switch | LVS03723 | 13 | LVS03902 | LVS03900 |
| 2 x 96 x 96 Power Meter and others devices 96 x 96 | | | LVS03903 | LVS03901 |
| 1 x 96 x 96 For PM200, 200P, PM5 & PM8 series meters | | | | |
| Characteristics | <ul style="list-style-type: none"> ■ Installation of three devices (72 x 72 mm cases) using plastic mounting plates (LVS03902) and two devices (96 x 96 mm cases) + a switch using plastic mounting plates (LVS03903) on a hinged front plate (LVS03723). ■ The plain mounting plates have knock-outs for lamps, pushbuttons, switches or devices. Knock-outs for LVS03900: 4 Ø 16 mm, 5 Ø 22 mm or one for a 45 x 45 mm device. Knock-outs for LVS03901: 4 Ø 16 mm, 5 Ø 22 mm or one for a 45 x 45 or 72 x 72 mm device. | | | |


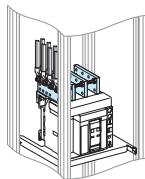
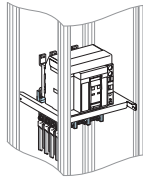



(1) Hinged or reversible (left or right-hand opening) front plates connect directly to the framework, without a front-plate support frame.

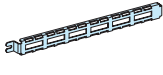
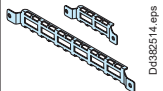
(2) For PM200, 200P, PM5 & PM8 series meters, use 1 no. blank-off sheet with each meter in a row.

MasterPact MTZ1 06 to 16


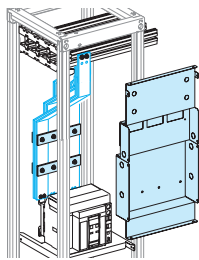

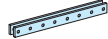

Dedicated cubicle 3P - W = 400 mm
Fixed, withdrawable

Circuit breakers

| Connection | | Upstream on incomer | |
|---|---|--|---|
|  | |  Dd382672_1.eps |  Dd382689.eps |
| Devices | | Fixed device | Withdrawable device |
| | | MTZ1 06 to MTZ1 16 | |
| Type of terminals |  | Front connection | Front connection |
| Arc-chute cover |  | 47335 | - |
| Vert. conn. adapters | | 33642 (1) | 33642 (1) |
| Cable-lug adapters | | 33644 (1) | 33644 (1) |
| Spacing rods |  | LVS04691 | LVS04691 |

| Accessories | | |
|------------------------------------|---|--|
| |  Dd382513.eps |  Dd382514.eps |
| 4 cable tie supports for framework | W = 400 LVS08774 | D = 400 LVS08794 |
| | | D = 600 LVS08794 + LVS08796 |

(1) Vertical connection adapters and cable-lug adapters are not compatible with input voltage ≥ 500 V.

| Distribution | | Downstream on horizontal busbars Linergy LGYE | |
|---|---|--|--|
|  | |  Dd384890.eps | |
| Fixed / Withdrawable devices | | MTZ1 06 to MTZ1 16 | |
| Type of terminals |  | Front connection | |
| Support |  | 2 x LVS04692 For MTZ1 H1 & H2 3 x LVS04692 For MTZ1 H3 | |
| Barrier (1) |  | LVS04855 | |
| Horizontal-busbar connections | 10 mm thickness bars | Connection must be made (2) | |
| Vertical-busbar connections | | - | |
| Free support | | - | |

(1) A barrier must be installed behind front plate **LVS03723** when measurement devices are installed.

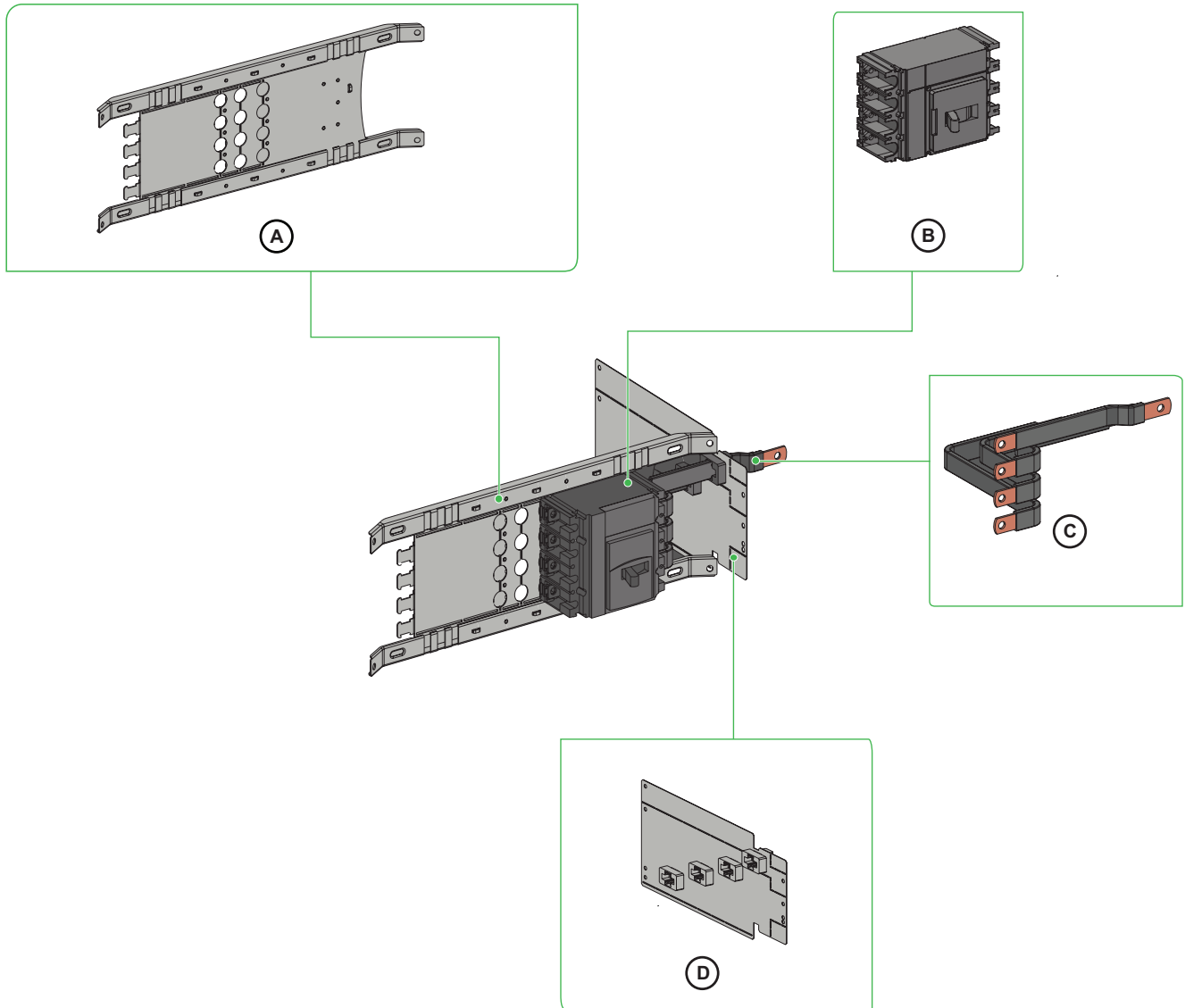
(2) Connection to be made according to the busbar drawings supplied by Schneider Electric.

(3) Catalog number **LVS04636** includes 1 connection only. Order 1 connection per phase.

ComPacT NSX 100 to 250

Horizontal mounting

Toggle - Fixed

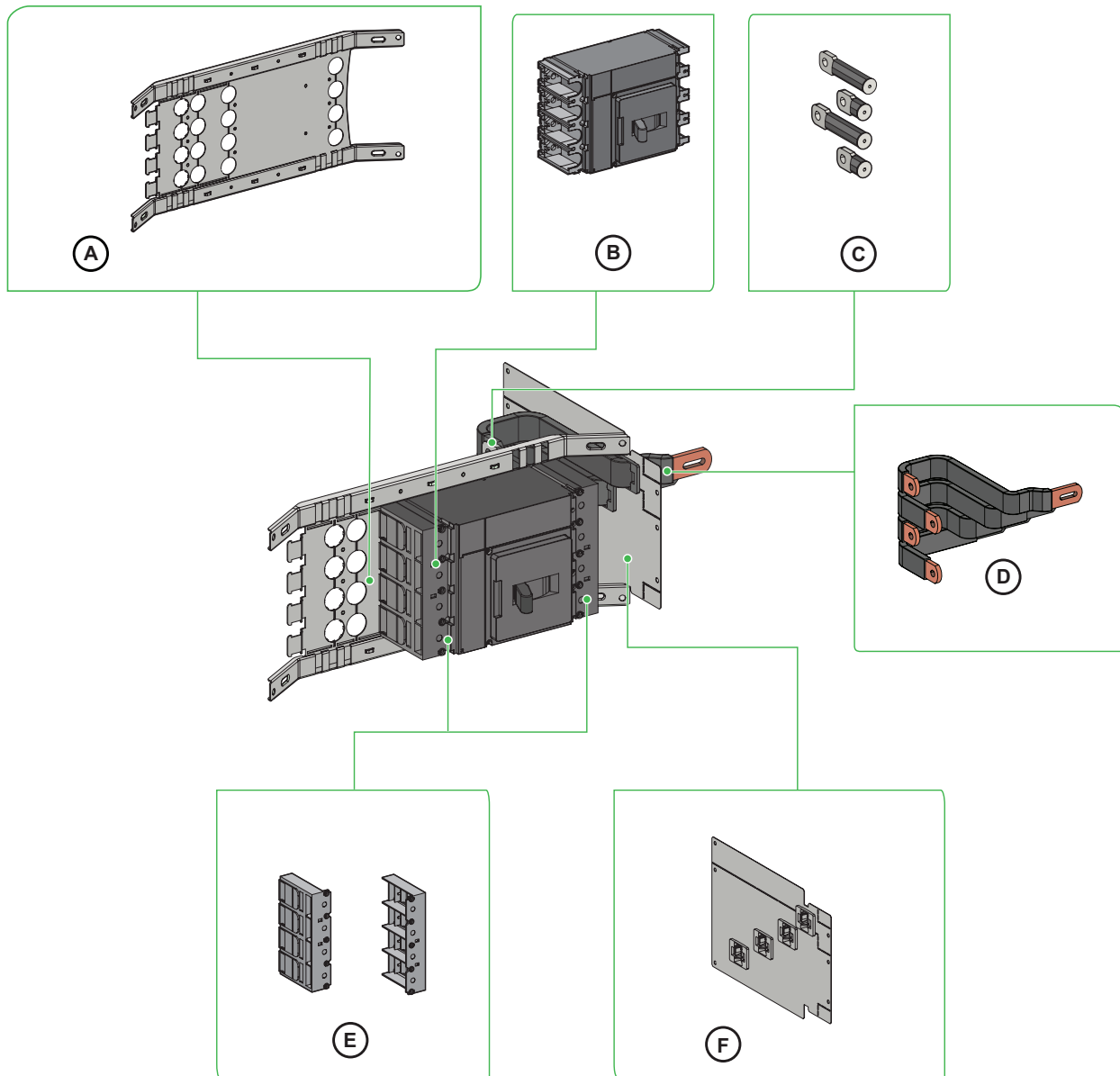


| Item | Description |
|------|----------------------------|
| (A) | Mounting plate |
| (B) | Circuit breaker 690 V MCCB |
| (C) | Flexible busbar |
| (D) | Side VBB partition plate |

ComPacT NSX 400 to 630

Horizontal mounting

Toggle - Fixed



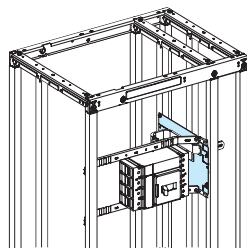
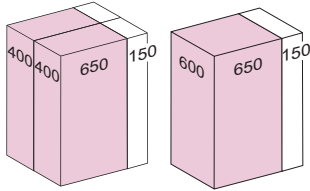
| Item | Description |
|------|----------------------------|
| (A) | Mounting plate |
| (B) | Circuit breaker 690 V MCCB |
| (C) | Rear connectors |
| (D) | Flexible busbar |
| (E) | Power filter |
| (F) | Side VBB partition plate |

ComPacT NSX 100 to 630

Horizontal mounting

Toggle - Fixed

Mounting Horizontal fixed

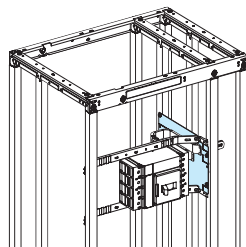


| Devices | Toggle | | | |
|------------------------------------|-----------------|----------|-------------|----------|
| | NSX 100/160/250 | | NSX 400/630 | |
| | 3P | 4P | 3P | 4P |
| Number of devices per row | 1 | 1 | 1 | 1 |
| No. of vertical modules | 3 | 4 | 4 | 5 |
| Mounting plates | LVS03411 | LVS03412 | LVS03449 | LVS03450 |
| Front plates with cut-out | LVS03604 | LVS03606 | LVS03643 | LVS03644 |
| VBB side plate | LVS04433 | LVS04433 | LVS04463 | LVS04463 |
| Power filter | - | - | LV435690 | LV434690 |
| Rear connector upstream connection | - | - | LV432475 | LV432475 |
| | | | LV432476 | LV432476 |

Connection Upstream from lateral busbars

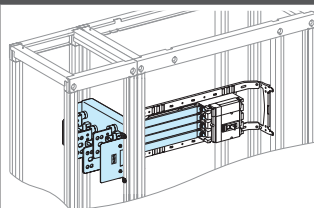
| Fixed devices | NSX 100/160/250 | | NSX 400/630 | |
|---------------|-----------------|----|-------------|----|
| | 3P | 4P | 3P | 4P |

Linery LGYE



| | | | | |
|-----------------------|----------|----------|---|---|
| Long terminal shields | LV429517 | LV429518 | - | - |
|-----------------------|----------|----------|---|---|

Connection Downstream distribution



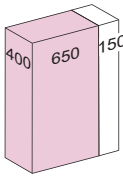
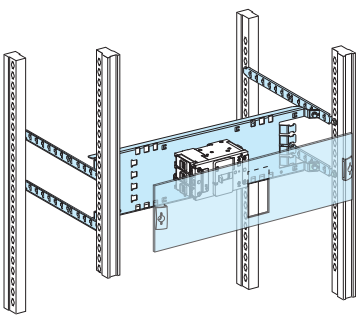
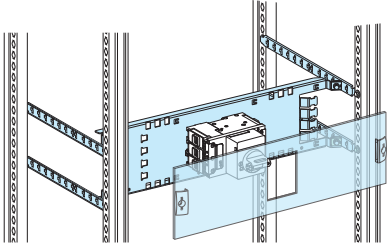

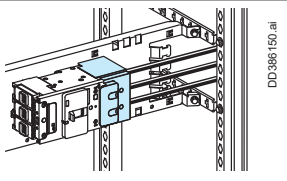
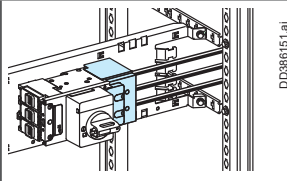

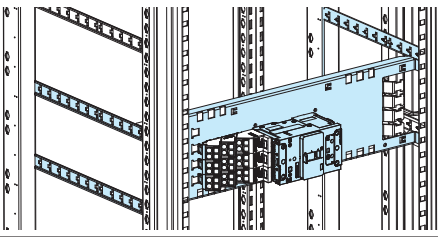
| Fixed devices | NSX 100/250 | | NSX 400/630 | |
|---|-------------|----------|-------------|----------|
| | 3P | 4P | 3P | 4P |
| Front connection long terminal shields | LV429517 | LV429518 | - | - |
| Connection connection transfer assembly | LVS04425 | LVS04426 | LVS04455 | LVS04456 |
| Rear connection short terminal shields | LV429515 | LV429516 | - | - |
| short rear connectors | LV429235 | | LV432475 | |
| long rear connectors | LV429236 | | LV432476 | |

ComPacT NSXm up to 63

Horizontal mounting

Toggle, rotary handle - Fixed

Circuit breakers

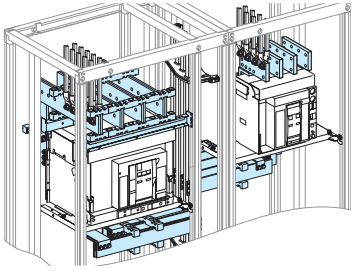
| Mounting | | Horizontal fixed | | | |
|---|--|---|--|---|--|
|  | |  | |  | |
| Devices | | Toggle NSXm | | Direct rotary handle NSXm | |
| Number of devices per row | | 1 x 3P or 4P | | 1 x 3P or 4P | |
| No. of vertical modules | | 3 | | 3 | |
| Mounting plates | | LVS03409 | | LVS03409 | |
| Front plates with cut-out [No. of vertical modules] | | LVS03330 [3] | | LVS03331 [3] | |
| Connection | | Upstream from lateral Linergy LGYE busbar | | | |
|  | |  | |  | |
| Devices | | Toggle NSXm | | Direct rotary handle NSXm | |
| | | 3P 4P | | 3P 4P | |
| Connection | | Connections must be made | | | |
| Long terminal shields | | LV426912 LV426913 | | LV426912 LV426913 | |
| Connection | | Downstream distribution Linergy DP distribution block | | | |
|  | |  | | | |
| Busbars / Distribution block | | LVS04038, LVS04039 > page C-75 | | | |
| Prefabricated connection | | Connection must be made | | | |



Source-changeover

Possible combinations,
MasterPact MTZ1 06/16, MTZ2 08/32

Source-changeover

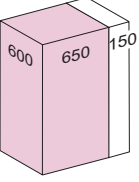
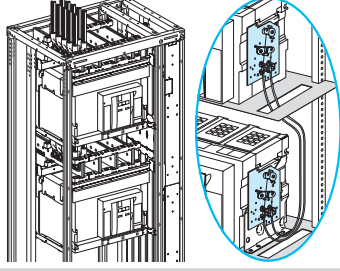


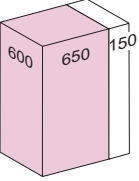
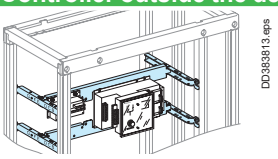
| Manual source-changeover | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|-------------------|---------------|---------------|---|---|---|---|---|---------------|--|--|--|--|--|--|--|---------------|--|--|--|--|--|--|--|
|  | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type of device | Type of interlocking | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th>Complete assembly</th> <th>Toggle</th> <th>Keylock</th> <th>Rotary handle</th> <th>On base plate</th> <th>Cable-type with 2 devices side-by-side⁽¹⁾</th> <th>Cable-type with 3 devices side-by-side⁽¹⁾</th> <th>Cable-type with 2 devices one above another</th> </tr> </thead> <tbody> <tr> <td>MTZ1 06 to 16</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MTZ2 08 to 32</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Complete assembly | Toggle | Keylock | Rotary handle | On base plate | Cable-type with 2 devices side-by-side ⁽¹⁾ | Cable-type with 3 devices side-by-side ⁽¹⁾ | Cable-type with 2 devices one above another | MTZ1 06 to 16 | | | | | | | | MTZ2 08 to 32 | | | | | | | |
| Complete assembly | Toggle | Keylock | Rotary handle | On base plate | Cable-type with 2 devices side-by-side ⁽¹⁾ | Cable-type with 3 devices side-by-side ⁽¹⁾ | Cable-type with 2 devices one above another | | | | | | | | | | | | | | | | | | |
| MTZ1 06 to 16 | | | | | | | | | | | | | | | | | | | | | | | | | |
| MTZ2 08 to 32 | | | | | | | | | | | | | | | | | | | | | | | | | |

(1) In 2 or 3 cubicles.

Possible combinations.

Manual or remote-operated or automatic source-changeover
MasterPact MTZ2 08/32, front connection S1 device identical to S2 device

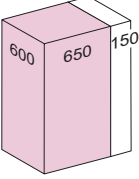
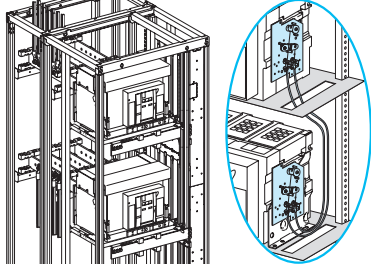


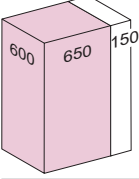
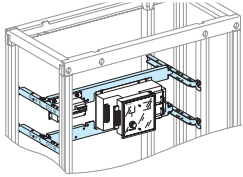
Source-changeover

| Mounting | | Front connection with cables | | | |
|---|--------------|--|--|----------------------------|--|
|  | |  | | | |
| Devices | | Fixed device | | Withdrawable device | |
| Number of devices per row | | 2 | | 2 | |
| Number of vertical modules | | 31 | | 36 | |
| Mounting plates | | LVS03500 | | LVS03500 | |
| | | S1 device | | | |
| | | MTZ2 08/16 | | MTZ2 20/32 | |
| Front plates [No. of vertical modules] | upstream | LVS03804 [4] | | LVS03805 [5] | |
| | with cut-out | LVS03711 [9] | | LVS03710 [10] | |
| | downstream | LVS03805 [5] | | LVS03806 [6] | |
| | | S2 device | | | |
| | | MTZ2 08/16 | | MTZ2 20/32 | |
| Front plates [No. of vertical modules] | upstream | - | | - | |
| | with cut-out | LVS03711 [9] | | LVS03710 [10] | |
| | downstream | LVS03804 [4] | | LVS03805 [5] | |
| Connection | | | | | |
|  | | | | | |
| Devices | | Fixed device | | Withdrawable device | |
| | | S1 device | | | |
| | | MTZ2 08/16 | | MTZ2 20/32 | |
| Upstream connection | | Vertical rear connections supplied with the device | | | |
| Connection | | must be made ⁽¹⁾ | | | |
| | | S2 device | | | |
| | | MTZ2 08/16 | | MTZ2 20/32 | |
| Downstream connection | | Vertical rear connections supplied with the device | | | |
| Connection | | must be made ⁽¹⁾ | | | |
| Distribution | | Linergy LGYE busbar | | | |
|  | | Selection of busbars: Linergy LGYE > page C-72. | | | |
| | | S1 device | | | |
| Upstream connection | | Front connections supplied with the device | | | |
| Connection | | must be made ⁽¹⁾ | | | |
| | | S2 device | | | |
| Downstream connection | | Front connections supplied with the device | | | |
| Connection | | must be made ⁽¹⁾ | | | |
| Mounting | | Controller outside the device zone | | | |
|  | |  | | | |
| Devices | | UA or BA controller | | | |
| Number of devices per row | | 1 | | | |
| Number of vertical modules | | 4 | | | |
| Mounting plates | | LVS03417 | | | |
| Front plates with cut-out [No. of vertical mod.] | | LVS03671 [4] | | | |
| Characteristics | | When a UA, BA or UA150 automatic controller is added together with an ACP mounting plate, the sources can be controlled automatically according to a number of programmed operating modes. | | | |

(1) Connection to be made according to the busbar drawings supplied by Schneider Electric.

Manual or remote-operated or automatic source-changeover
 MasterPact MTZ2 08/32, rear connection S1 device identical to S2 device

Source-changeover

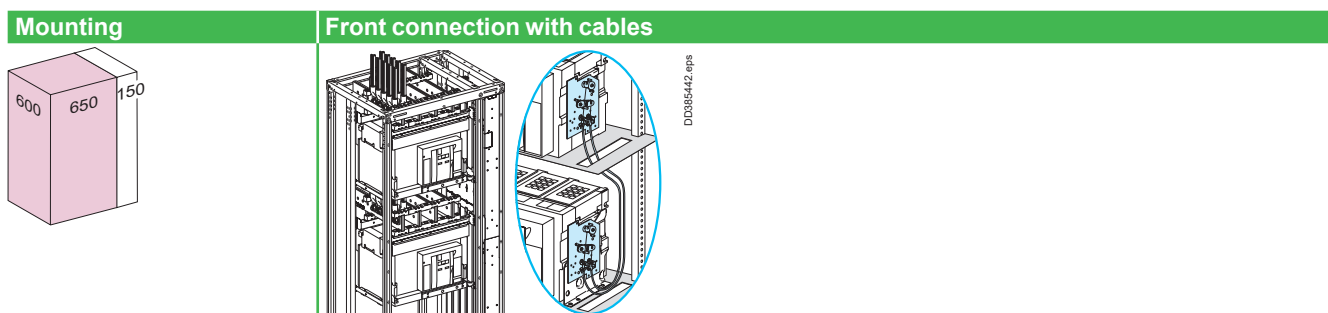
| Mounting | | Rear connection with cables | | | |
|---|--|--|--|----------------------------|--|
|  | |  | | | |
| Devices | | Fixed device | | Withdrawable device | |
| Number of devices per row | | 2 | | 2 | |
| Number of vertical modules | | 23 | | 26 | |
| Mounting plates | | LVS03500 | | LVS03500 | |
| | | S1 device | | | |
| | | MTZ2 08/16 | | MTZ2 20/32 | |
| Front plates [No. of vertical modules] | | upstream | | upstream | |
| | | with cut-out | | with cut-out | |
| | | downstream | | downstream | |
| | | LVS03711 [9] | | LVS03710 [10] | |
| | | LVS03805 [5] | | LVS03805 [5] | |
| | | LVS03806 [6] | | LVS03806 [6] | |
| | | S2 device | | | |
| | | MTZ2 08/16 | | MTZ2 20/32 | |
| Front plates [No. of vertical modules] | | upstream | | upstream | |
| | | with cut-out | | with cut-out | |
| | | downstream | | downstream | |
| | | LVS03711 [9] | | LVS03710 [10] | |
| | | - | | - | |
| | | - | | - | |
| Connection | | | | | |
|  | | | | | |
| Devices | | Fixed device | | Withdrawable device | |
| | | S1 device | | | |
| | | MTZ2 08/16 | | MTZ2 20/32 | |
| Upstream connection | | Vertical rear connections supplied with the device | | | |
| Connection | | must be made ⁽¹⁾ | | | |
| | | S2 device | | | |
| | | MTZ2 08/16 | | MTZ2 20/32 | |
| Downstream connection | | Vertical rear connections supplied with the device | | | |
| Connection | | must be made ⁽¹⁾ | | | |
| Distribution | | Linergy LGYE busbar | | | |
|  | | Selection of busbars: Linergy LGYE > page C-72. | | | |
| | | S1 device | | | |
| Upstream connection | | Front connections supplied with the device | | | |
| Connection | | must be made ⁽¹⁾ | | | |
| | | S2 device | | | |
| Downstream connection | | Front connections supplied with the device | | | |
| Connection | | must be made ⁽¹⁾ | | | |
| Mounting | | Controller outside the device zone | | | |
|  | |  | | | |
| Devices | | UA or BA controller | | | |
| Number of devices per row | | 1 | | | |
| Number of vertical modules | | 4 | | | |
| Mounting plates | | LVS03417 | | | |
| Front plates [No. of vertical mod.] | | LVS03671 [4] | | | |
| Characteristics | | When a UA, BA or UA150 automatic controller is added together with an ACP mounting plate, the sources can be controlled automatically according to a number of programmed operating modes. | | | |

(1) Connection to be made according to the busbar drawings supplied by Schneider Electric.

Manual or remote-operated or automatic source-changeover

MasterPact MTZ2 08/32, front connection S1 device different to S2 device

Source-changeover



| Devices | | Fixed device | | Withdrawable device | |
|----------------------------|--------------|--------------|--------------|---------------------|---------------|
| Number of devices per row | | 2 | 2 | 2 | 2 |
| Number of vertical modules | | 33 | 33 | 35 | 35 |
| Mounting plates | | LVS03500 | LVS03500 | LVS03500 | LVS03500 |
| S1 device | | | | | |
| Front plates | | MTZ2 08/16 | MTZ2 20/32 | MTZ2 08/16 | MTZ2 20/32 |
| [No. of vertical modules] | upstream | LVS03804 [4] | LVS03805 [5] | LVS03804 [4] | LVS03805 [5] |
| | with cut-out | LVS03711 [9] | LVS03711 [9] | LVS03710 [10] | LVS03710 [10] |
| | downstream | LVS03806 [6] | LVS03806 [6] | LVS03806 [6] | LVS03806 [6] |
| S2 device | | | | | |
| Front plates | | MTZ2 20/32 | MTZ2 08/16 | MTZ2 20/32 | MTZ2 08/16 |
| [No. of vertical modules] | upstream | - | - | - | - |
| | with cut-out | LVS03711 [9] | LVS03711 [9] | LVS03710 [10] | LVS03710 [10] |
| | downstream | LVS03805 [5] | LVS03804 [4] | LVS03805 [5] | LVS03804 [4] |

| Connection | | | | | |
|-----------------------|--|--|------------|---------------------|------------|
| Devices | | Fixed device | | Withdrawable device | |
| S1 device | | | | | |
| Upstream connection | | MTZ2 08/16 | MTZ2 20/32 | MTZ2 08/16 | MTZ2 20/32 |
| Connection | | Vertical rear connections supplied with the device must be made ⁽¹⁾ | | | |
| S2 device | | | | | |
| Downstream connection | | MTZ2 08/16 | MTZ2 20/32 | MTZ2 T06/10 | MTZ2 20/32 |
| Connection | | Vertical rear connections supplied with the device must be made ⁽¹⁾ | | | |

| Distribution | | Linergy LGYE busbar | | | |
|-----------------------|--|---|--|--|--|
| | | Selection of busbars: Linergy LGYE > page C-72. | | | |
| S1 device | | | | | |
| Upstream connection | | Front connections supplied with the device | | | |
| Connection | | must be made ⁽¹⁾ | | | |
| S2 device | | | | | |
| Downstream connection | | Front connections supplied with the device | | | |
| Connection | | must be made ⁽¹⁾ | | | |

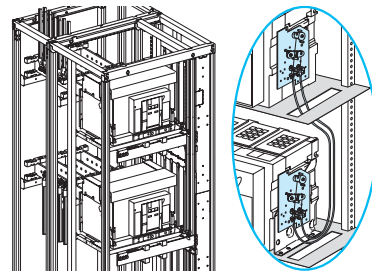
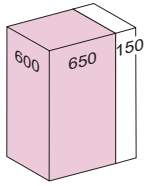
| Mounting | | Controller outside the device zone | | | |
|----------------------------|--|--|--|--|--|
| Devices | | UA or BA controller | | | |
| Number of devices per row | | 1 | | | |
| Number of vertical modules | | 4 | | | |
| Mounting plates | | LVS03417 | | | |
| Front plates | | LVS03671 [4] | | | |
| [No. of vertical mod.] | | | | | |
| Characteristics | | When a UA, BA or UA150 automatic controller is added together with an ACP mounting plate, the sources can be controlled automatically according to a number of programmed operating modes. | | | |

(1) Connection to be made according to the busbar drawings supplied by Schneider Electric.

Manual or remote-operated or automatic source-changeover
MasterPact MTZ2 08/32, rear connection S1 device different to S2 device

Source-changeover

Mounting **Rear connection with cables**



| Devices | | Fixed device | | Withdrawable device | |
|---|--------------|-------------------|-------------------|---------------------|-------------------|
| Number of devices per row | | 2 | 2 | 2 | 2 |
| Number of vertical modules | | 24 | 24 | 26 | 26 |
| Mounting plates | | LVS03500 | LVS03500 | LVS03500 | LVS03500 |
| S1 device | | | | | |
| | | MTZ2 08/16 | MTZ2 20/32 | MTZ2 08/16 | MTZ2 20/32 |
| Front plates [No. of vertical modules] | upstream | - | - | - | - |
| | with cut-out | LVS03711 [9] | LVS03711 [9] | LVS03710 [10] | LVS03710 [10] |
| | downstream | LVS03806 [6] | LVS03806 [6] | LVS03806 [6] | LVS03806 [6] |
| S2 device | | | | | |
| | | MTZ2 08/16 | MTZ2 20/32 | MTZ2 08/16 | MTZ2 20/32 |
| Front plates [No. of vertical modules] | upstream | - | - | - | - |
| | with cut-out | LVS03711 [9] | LVS03711 [9] | LVS03710 [10] | LVS03710 [10] |
| | downstream | - | - | - | - |

Connection



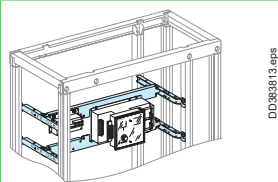
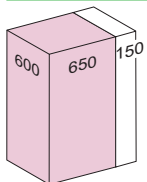
| Devices | | Fixed device | | Withdrawable device | |
|-----------------------|--|-------------------|-------------------|---------------------|-------------------|
| S1 device | | | | | |
| | | MTZ2 08/16 | MTZ2 20/32 | MTZ2 08/16 | MTZ2 20/32 |
| Upstream connection | Vertical rear connections supplied with the device | | | | |
| Connection | must be made ⁽¹⁾ | | | | |
| S2 device | | | | | |
| | | MTZ2 08/16 | MTZ2 20/32 | MTZ2 06/10 | MTZ2 20/32 |
| Downstream connection | Vertical rear connections supplied with the device | | | | |
| Connection | must be made ⁽¹⁾ | | | | |

Distribution **Linergy LGYE busbar**



| | | | | | |
|-----------------------|--|---|--|--|--|
| | | Selection of busbars: Linergy LGYE > page C-72. | | | |
| S1 device | | | | | |
| Upstream connection | Front connections supplied with the device | | | | |
| Connection | must be made ⁽¹⁾ | | | | |
| S2 device | | | | | |
| Downstream connection | Front connections supplied with the device | | | | |
| Connection | must be made ⁽¹⁾ | | | | |

Mounting **Controller outside the device zone**

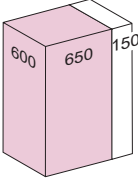
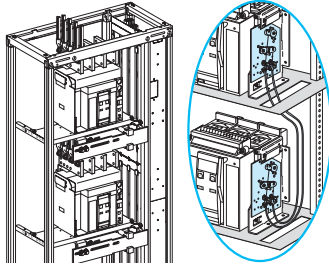


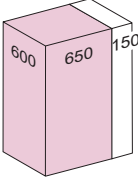
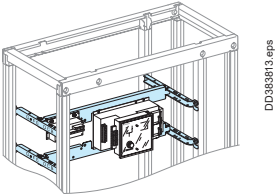


| Devices | | UA or BA controller | | | |
|----------------------------|--------------|--|--|--|--|
| Number of devices per row | | 1 | | | |
| Number of vertical modules | | 4 | | | |
| Mounting plates | | LVS03417 | | | |
| Front plates | with cut-out | LVS03671 [4] | | | |
| Characteristics | | When a UA, BA or UA150 automatic controller is added together with an ACP mounting plate, the sources can be controlled automatically according to a number of programmed operating modes. | | | |

(1) Connection to be made according to the busbar drawings supplied by Schneider Electric.

Manual or remote-operated or automatic source-changeover
MasterPact MTZ1 06/16, front connection S1 device identical to S2 device

Source-changeover

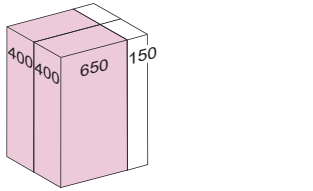
| Mounting | | Front connection with cables | | | |
|---|--------------|--|-------|----------------------------|-------|
|  | |  | | | |
| Devices | | Fixed device | | Withdrawable device | |
| Number of devices per row | | 2 | | 2 | |
| Number of vertical modules | | 24 | | 30 | |
| Mounting plates | | LVS03484 | | LVS03483 | |
| | | S1 device | | | |
| | | MTZ1 06/10 | | MTZ1 12/16 | |
| Front plates [No. of vertical modules] | upstream | LVS03802 [2] | | LVS03804 [4] | |
| | with cut-out | LVS03692 [7] | | LVS03691 [8] | |
| | downstream | LVS03803 [3] | | LVS03803 [3] | |
| | | S2 device | | | |
| | | MTZ1 06/10 | | MTZ1 12/16 | |
| Front plates [No. of vertical modules] | upstream | LVS03803 [3] | | LVS03803 [3] | |
| | with cut-out | LVS03692 [7] | | LVS03691 [8] | |
| | downstream | LVS03802 [2] | | LVS03804 [4] | |
| Connection | | | | | |
|  | | | | | |
| Devices | | Fixed device | | Withdrawable device | |
| | | MTZ1 06/10 | | MTZ1 12/16 | |
| | | 3P | 4P | 3P | 4P |
| | | 3P | | 3P | |
| | | 4P | | 4P | |
| | | 3P | | 3P | |
| | | 4P | | 4P | |
| | | 3P | | 3P | |
| | | 4P | | 4P | |
| S1 device | | Front connections supplied with the device | | | |
| Upstream connection | | Front connections supplied with the device | | | |
| Vertical connection adapters | | 33642 | 33643 | 33642 | 33643 |
| S2 device | | Front connections supplied with the device | | | |
| Downstream connection | | Front connections supplied with the device | | | |
| Vertical connection adapters | | 33642 | 33643 | 33642 | 33643 |
| Distribution | | Linergy LGYE busbar | | | |
|  | | Selection of busbars: Linergy LGYE > page C-72. | | | |
| S1 device | | Front connections supplied with the device | | | |
| Upstream connection | | Front connections supplied with the device | | | |
| Connection | | must be made | | | |
| S2 device | | Front connections supplied with the device | | | |
| Downstream connection | | Front connections supplied with the device | | | |
| Connection | | must be made | | | |
| Mounting | | Outside the device zone | | | |
|  | |  | | | |
| Devices | | UA or BA controller | | | |
| Number of devices per row | | 1 | | | |
| Number of vertical modules | | 4 | | | |
| Mounting plates | | LVS03417 | | | |
| Front plates [No. of vertical mod.] | | LVS03671 [4] | | | |
| Characteristics | | When a UA, BA or UA150 automatic controller is added together with an ACP mounting plate, the sources can be controlled automatically according to a number of programmed operating modes. | | | |



Manual or remote-operated or automatic source-changeover
 MasterPact MTZ1 06/16, rear connection S1 device identical to S2 device

Source-changeover

Mounting **Rear connection with cables**



| Devices | | Fixed device | Withdrawable device |
|---|--------------|-------------------|---------------------|
| Number of devices per row | | 2 | 2 |
| Number of vertical modules | | 22 | 22 |
| Mounting plates | | LVS03484 | LVS03483 |
| | | S1 device | |
| | | MTZ1 06/16 | |
| Front plates [No. of vertical modules] | upstream | LVS03801 [1] | - |
| | with cut-out | LVS03692 [7] | LVS03691 [8] |
| | downstream | LVS03803 [3] | LVS03803 [3] |
| | | S2 device | |
| | | MTZ1 06/16 | |
| Front plates [No. of vertical modules] | upstream | LVS03803 [3] | LVS03803 [3] |
| | with cut-out | LVS03692 [7] | LVS03691 [8] |
| | downstream | LVS03801 [1] | - |

Connection



| Devices | | Fixed device | Withdrawable device |
|-----------------------|--|--|---------------------|
| | | MTZ1 06/16 | MTZ1 06/16 |
| | | S1 device | |
| Upstream connection | | Vertical rear connections supplied with the device | |
| Connection | | must be made | |
| | | S2 device | |
| Downstream connection | | Vertical rear connections supplied with the device | |
| Connection | | must be made | |

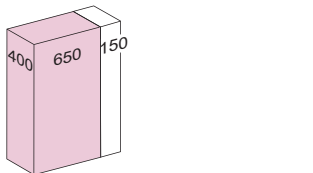
Distribution **Linergy LGYE busbar**



Selection of busbars: Linergy LGYE > page C-72.

| | | | |
|-----------------------|--|--|--|
| | | S1 device | |
| Upstream connection | | Front connections supplied with the device | |
| Connection | | must be made | |
| | | S2 device | |
| Downstream connection | | Front connections supplied with the device | |
| Connection | | must be made | |

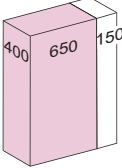
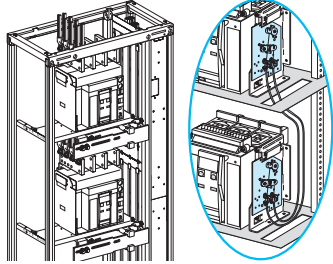


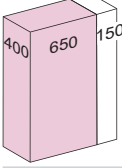
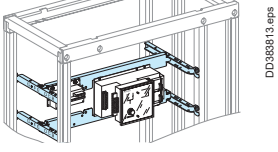
Mounting **Controller outside the device zone**



| Devices | | UA or BA controller | |
|--|--------------|--|--|
| Number of devices per row | | 1 | |
| Number of vertical modules | | 4 | |
| Mounting plates | | LVS03417 | |
| Front plates [No. of vertical mod.] | with cut-out | LVS03671 [4] | |
| Characteristics | | When a UA, BA or UA150 automatic controller is added together with an ACP mounting plate, the sources can be controlled automatically according to a number of programmed operating modes. | |

Manual or remote-operated or automatic source-changeover
MasterPact MTZ1 06/16, front connection S1 device different to S2 device

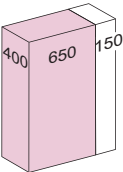
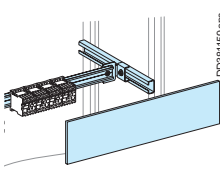
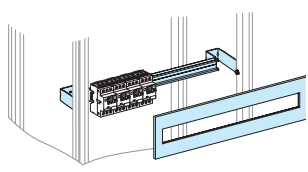
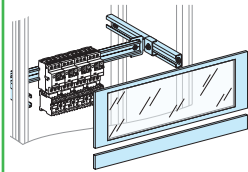
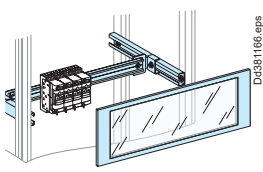
Source-changeover

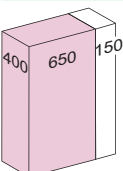
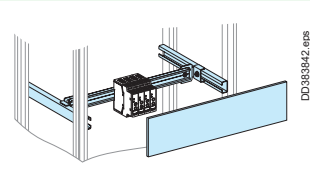
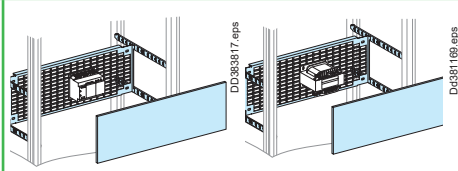
| Mounting | | Front connection with cables | | | |
|---|--------------|--|----------------------------|----------------------------|----------------------------|
|  | |  | | | |
| Devices | | Fixed device | | Withdrawable device | |
| Number of devices per row | | 2 | 2 | 2 | 2 |
| Number of vertical modules | | 26 | 26 | 28 | 28 |
| Mounting plates | | LVS03484 | LVS03484 | LVS03483 | LVS03483 |
| | | S1 device | | | |
| Front plates [No. of vertical modules] | upstream | MTZ1 12/16 LVS03804 [4] | MTZ1 06/10 LVS03802 [2] | MTZ1 12/16 LVS03804 [4] | MTZ1 06/10 LVS03802 [2] |
| | with cut-out | LVS03692 [7] | LVS03692 [7] | LVS03691 [8] | LVS03691 [8] |
| | | S2 device | | | |
| Front plates [No. of vertical modules] | upstream | MTZ1 06/10 LVS03803 [3] | MTZ1 12/16 LVS03803 [3] | MTZ1 06/10 LVS03803 [3] | MTZ1 12/16 LVS03803 [3] |
| | with cut-out | LVS03692 [7] | LVS03692 [7] | LVS03691 [8] | LVS03691 [8] |
| | downstream | LVS03802 [2] | LVS03804 [4] | LVS03802 [2] | LVS03804 [4] |
| Connection | | | | | |
|  | | | | | |
| Devices | | Fixed device | | Withdrawable device | |
| | | MTZ1 06/10 3P | MTZ1 12/16 4P | MTZ1 06/10 3P | MTZ1 12/16 4P |
| S1 device | | Upstream connection | | | |
| Upstream connection | | Front connections supplied with the device | | | |
| Vertical connection adapters | | 33642 | 33643 | 33642 | 33643 |
| S2 device | | Downstream connection | | | |
| Downstream connection | | Front connections supplied with the device | | | |
| Vertical connection adapters | | 33642 | 33643 | 33642 | 33643 |
| Distribution | | Linergy LGYE busbar | | | |
|  | | Selection of busbars: Linergy LGYE > page C-72 . | | | |
| S1 device | | Upstream connection | | | |
| Upstream connection | | Front connections supplied with the device | | | |
| Connection | | must be made | | | |
| S2 device | | Downstream connection | | | |
| Downstream connection | | Front connections supplied with the device | | | |
| Connection | | must be made | | | |
| Mounting | | Controller outside the device zone | | | |
|  | |  | | | |
| Devices | | UA or BA controller | | | |
| Number of devices per row | | 1 | | | |
| Number of vertical modules | | 4 | | | |
| Mounting plates | | LVS03417 | | | |
| Front plates [No. of vertical mod.] | | with cut-out LVS03671 [4] | | | |
| Characteristics | | When a UA, BA or UA150 automatic controller is added together with an ACP mounting plate, the sources can be controlled automatically according to a number of programmed operating modes. | | | |



Industrial control devices

Others

| Mounting | | On a modular rail | | | | | | | |
|---|--------------|---|---------------------------|---|--------------|--|----------------|---|--|
|  | |  | |  | |  | |  | |
| Devices | | Contactor | Circuit breaker | | | Circuit breaker + contactor | TeSys | | |
| | | Series D and K ≤ 40 A contactors | GV2RT- GV2ME- GV2LE | GV2L- GV2P | GV3 | GV2 + Series D and K ≤ 40 A contactors | TeSys modèle U | | |
| Number of vertical modules | | 3 | 3 | 3 | 5 | 5 | 5 | 4 ⁽¹⁾ | |
| Useful length of rail (mm) | | 432 | 432 | | | 432 | 432 | | |
| Modular rail (adjustable) | | LVS03402 | LVS03401 ⁽²⁾ | LVS03402 | LVS03402 | LVS03402 | LVS03402 | | |
| Front plates [No. of vertical mod.] | plain | LVS03803 [3] | - | | | - | - | | |
| | transparent | - | - | | | LVS03342 [4] | - | | |
| | with cut-out | - | LVS03203 [3] | LVS03203 [3] | LVS03205 [5] | - | LVS03205 [5] - | | |
| | downstream | - | - | | | LVS03801 [1] | - | | |
| Characteristics | | Width of devices without lateral auxiliaries: 45 mm. | | | | | | | |

| Mounting | | On a modular rail | | | | On a base plate | |
|--|-------|--|-------------------------------------|------------------|--|---|--|
|  | |  | | | |  | |
| Devices | | Soft starters ATS01 | | | | LV/LV transformer | |
| | | ATS01N103/106FT | ATS01N109/112FT ATS01N206 to 212 | ATS01N222 to 232 | ATS01N230LY ATS01N244LY ATS01N244Q | ATS01N272LY ATS01N285LY ATS01N272Q ATS01N285Q | ABL6-TS/TD up to 2500 VA ABL6-RT up to 960 W ABL6-RF up to 480 W |
| Number of vertical modules | | 4 | 5 | 6 | 5 | 6 | 4 |
| Useful length of rail (mm) | | 432 | 432 | 432 | 432 | - | - |
| Modular rail (adjustable) | | LVS03402 | LVS03402 | LVS03402 | LVS03402 | - | - |
| Slotted mounting plates | | - | - | - | - | LVS03572 | LVS03571 |
| Front plate [No. of vertical mod.] | plain | LVS03804 [4] | LVS03805 [5] | LVS03806 [6] | LVS03805 [5] | LVS03806 [6] | LVS03804 [4] |
| | | | | | | | |
| Characteristics | | Width of devices (mm) | | | | | - |
| | | 22.5 | 45 | 45 | 180 | 180 | |

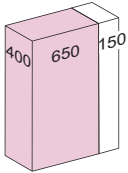
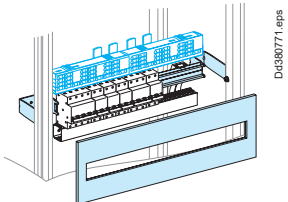
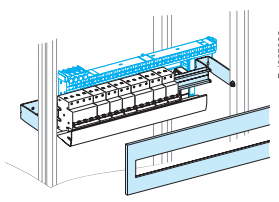
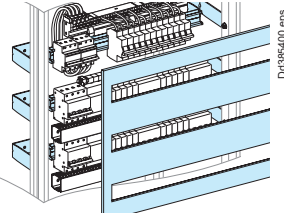
(1) Version without communication module, auxiliary contact and reversing module.

(2) Non-adjustable.

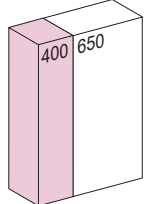
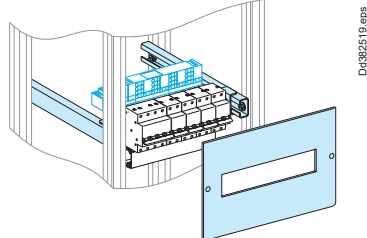
Modular devices (1)

Acti 9 ≤ 63 A

Circuit breakers

| Mounting | Horizontal distances between centres: 200 mm | Horizontal distances between centres: 150 mm | |
|---|---|--|---|
|  |  |  |  |

| Devices | All modular devices | Modular devices ≤ 40 A | |
|-------------------------------|---------------------|------------------------|--------------|
| Rail length (modules of 9 mm) | 48 | 48 | 48 |
| No. of vertical modules | 4 (2) | 3 | 8 |
| Rail (48 modules of 9 mm) | LVS03401 | LVS03401 | 3 x LVS03401 |
| Modular front plates | LVS03204 | LVS03203 | LVS03223 |
| Blanking strip | LVS03220 | LVS03220 | LVS03220 |
| plate divisible | LVS03221 | LVS03221 | LVS03221 |

| Mounting | Horizontal distances between centres: 200 mm | Horizontal distances between centres: 150 mm | |
|--|--|--|--|
|  |  | | |

| Devices | All modular devices | Modular devices ≤ 40 A | |
|-------------------------------|-----------------------|------------------------|----|
| Rail length (modules of 9 mm) | 20 | 20 | 20 |
| No. of vertical modules | 4 | 3 | 3 |
| Rail (20 modules of 9 mm) | LVS03404 (adjustable) | LVS03404 (adjustable) | |
| Modular front plates | LVS03214 [4] | LVS03213 [3] | |
| Blanking plate strip | LVS03220 | LVS03220 | |
| divisible | LVS03221 | LVS03221 | |

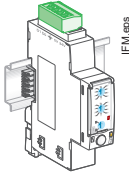
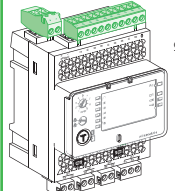
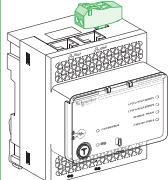
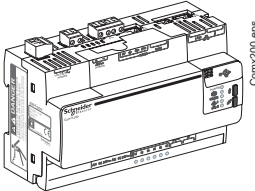
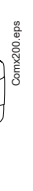
Connection Distribution block Linergy FM 160 to 200 A row

| | |
|---|---|
|  |  |
|---|---|

| Type of connected devices | All type |
|------------------------------------|-------------|
| Comb busbars / distribution blocks | > page C-80 |

Linergy TR Terminal blocks: > page C-86.

EnerlinX devices IFM I/O module IFE ComX200 ComX510

| | | | | |
|---|---|--|---|---|
|  |  |  |  |  |
|---|---|--|---|---|

| | |
|-------------------------|---|
| No. of vertical modules | 4 |
| Rail | LVS03401 / LVS03404 |
| Modular front plates | LVS03204 / LVS03214 |
| Characteristics | Installation by clip on a modular rail. |

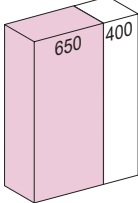
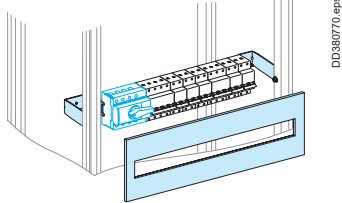
(1) Control devices should be connected to control circuit up to 415 V.

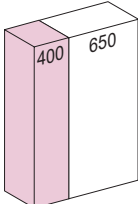
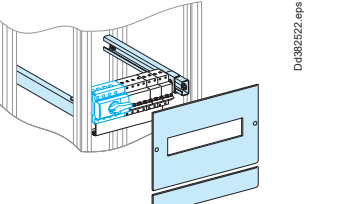
(2) For a modular row with a 160 A (half row) and 200 A Linergy FM distribution block positioned directly below a non-modular mounting-plate (ComPacT, etc.), or at the top of a switchboard, add one additional module (i.e. 4+1) and a plain upstream front plate (LVS03801).


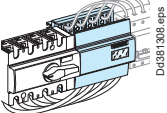
Modular devices ⁽¹⁾

80/160 A switchboard incomer

Circuit breakers

| Mounting | Switch-disconnectors | |
|---|---|--|
|  |  | |
| Devices | ComPacT INS40/160 | ComPacT INS-INV100/160 with long terminal shields |
| No. of vertical modules | 4 | 5 |
| Rail (48 modules of 9 mm) | LVS03401 | LVS03401 |
| Modular front plates | LVS03204 | LVS03205 |
| Blanking plate strip | LVS03220 | LVS03220 |
| divisible | LVS03221 | LVS03221 |

| Mounting | Switch-disconnectors | |
|--|--|--|
|  |  | |
| Devices | INS-INV40/160 | INS-INV100/160 with long terminal shields |
| No. of vertical modules | 4 | 5 |
| Rail (20 modules of 9 mm) | LVS03404 (adjustable) | LVS03404 (adjustable) |
| Front plates modular | LVS03214 [4] | LVS03214 [4] |
| [No. of vertical modules] downstream | - | LVS03811 [1] |
| Blanking plate strip | LVS03220 | LVS03220 |
| divisible | LVS03221 | LVS03221 |

| Connection | Linergy DX 4P, 160 A distribution block |
|---|---|
|  |  |
| Type of connected devices | All type |
| Distribution block / busbars | > page C-78 |
| Connection | > page C-78 |

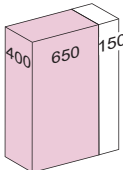
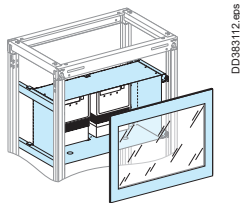
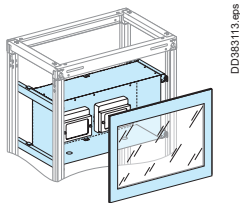
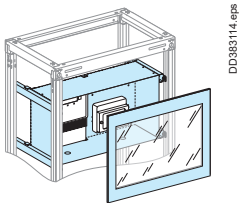
(1) Control devices should be connected to control circuit up to 415 V.

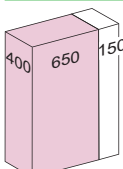
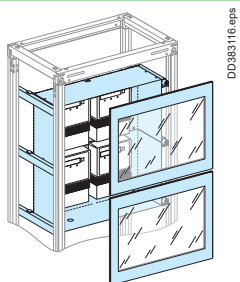
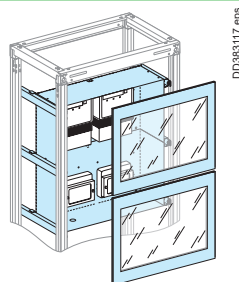
Metering ⁽¹⁾

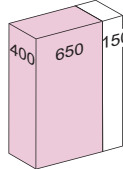
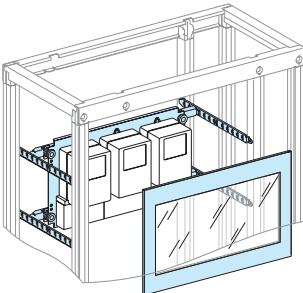
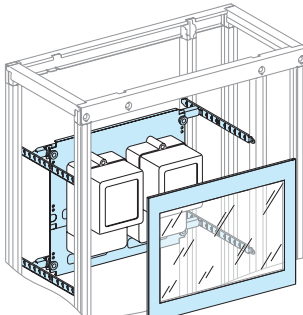
Single-phase and 3-phase kilowatt-hour meters

Class 1 & 2

Others

| Mounting | | With 1 mounting plate | | |
|---|-------------|---|--|---|
|  | |  |  |  |
| Devices | | Meter and connection block | | |
| | | Meter 3 Ph + N | Connection block | Meter + connection block |
| Number of devices per row | | 2 | 2 | 1 + 1 |
| Number of vertical modules | | 6 | 6 | 6 |
| Mounting plates | | LVS03508 | LVS03508 | LVS03508 |
| Front plates | transparent | LVS03343 [6] | LVS03343 [6] | LVS03343 [6] |
| [No. of vertical mod.] | or plain | LVS03806 [6] | LVS03806 [6] | LVS03806 [6] |

| Mounting | | With 2 mounting plates | |
|--|-------------|--|---|
|  | |  |  |
| Devices | | Meter and connection block | |
| | | Meter 3 Ph + N | Meter + connection block |
| Number of devices per row | | 4 | 2 + 2 |
| Number of vertical modules | | 12 | 12 |
| Mounting plates | | 2 x LVS03508 | 2 x LVS03508 |
| Front plates | transparent | 2 x LVS03343 [6] | 2 x LVS03343 [6] |
| [No. of vertical mod.] | or plain | 2 x LVS03806 [6] | 2 x LVS03806 [6] |

| Mounting | | Behind front plate | |
|---|-------------|---|--|
|  | |  |  |
| Devices | | Meter and connection block | |
| | | Single-phase (Ph + N) | 3-phase (3 Ph + N) |
| Number of devices per row | | 3 | 2 |
| Number of vertical modules | | 6 | 9 |
| Mounting plates | | – | LVS03152 |
| Front plates | transparent | LVS03343 [6] | LVS03344 [9] |
| [No. of vertical mod.] | or plain | LVS03806 [6] | – |
| Insulating plate | | – | – |
| Adapter | | LVS03595 | LVS03595 |
| Accessories | | M5 spacers for mounting plate > page C-63 | |

(1) Control devices should be connected to control circuit up to 415 V.

Note: Meters can be installed at different levels on the functional uprights of frameworks.

Metering and human-switchboard interface

PowerLogic™ Meters

Others

★ Presentation

PowerLogic™ Meters

Schneider Electric provides these tools via the world's most advanced energy intelligence technology: PowerLogic. The PowerLogic range of meters help manage all energy assets, every second of the day.

PowerLogic PM5000 series



- The ideal fit for cost management applications, the PowerLogic™ PM5000 power meter provides:
- > Sub-billing/tenant metering
 - > Equipment sub-billing
 - > Energy cost allocation
 - > Track real-time power conditions
 - > Monitor control functions
 - > Provide basic power quality values
 - > Monitor equipment and network status.

Acti9 iEM2000 & iEM3000 series



- The Acti9 iEM2000 & iEM3000 energy meter series offers a cost-attractive, competitive range of DIN rail-mounted energy meters ideal for:
- > Bill checking to verify that you are only charged for the energy you use
 - > Sub billing individual tenants for their energy consumption, including WAGES
 - > Aggregation of energy consumption, including WAGES, and allocating costs per area, per usage, per shift, or per time within the same facility
 - > Basic metering of electrical parameters to better understand the behavior of your electrical distribution system.
- Combined with communication systems, like Smart Link, the Acti9 iEM2000 & iEM3000 series makes it easy to integrate electrical distribution measurements into facility management systems. It's the right energy meter at the right price for the right job.

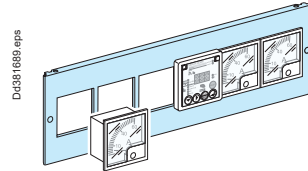
Possible installation

| Cat. number | LVS03904 | LVS03928 | LVS03910 | LVS03911 | LVS03913 | LVS03914 |
|---|----------|----------|----------|----------|----------|----------|
| Front plate frame support (LVS08566) | ■ | ■ | ■ | ■ | ■ | ■ |
| L300/L400 with cut-out (LVS08593, LVS08594) | ■ | ■ | ■ | ■ | ■ | — |

Note: Device mounting on door: earthing braid (cat. no. LVS08910) or earthing wire (cat. no. LVS08911) mandatory.

○ Installation in a switchboard

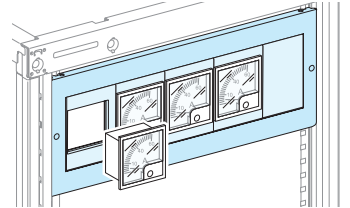
On a metal front plate with cut-outs, H = 150 mm (3 modules)



- > Devices are attached directly to the metal front plate.
- > Blanking plates are available to blank off any unused locations.
- > Economical solution.

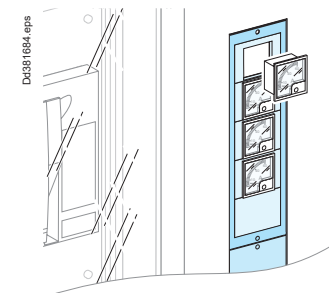
①

- > In the device zone of enclosures and cubicles, like a front plate



②


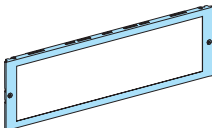





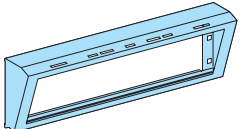





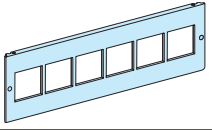


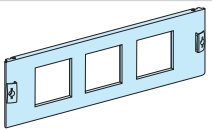


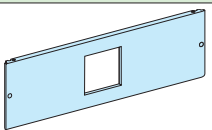





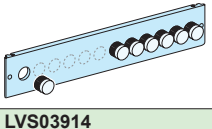



- > On a door with cut-outs in a 300 or 400 mm wide cubicle
- > On a inclined visor



The degree of protection for installed devices is IP30.

Notes:

- To maintain the IP55 degree of protection, the measurement devices must be installed behind a transparent door. If they are installed on a plain door, use the corresponding mounting plates.
- With a power voltage > SELV (12 V), devices on front plates must be mounted with a front plate hinge kit (cat no. LVS08585). The earthing braid must be connected to the front plate frame support (cat no. LVS08566, LVS08564, LVS08560, LVS08562 or else).
- With a power voltage > SELV (12 V) and a supply protection > 16 A, in addition to the preceding rule, the front plate frame support (cat no. LVS08566, LVS08564, LVS08560, LVS08562 or else) must be connected to the cubicle frame, using an earthing braid (cat no. LVS08910 or LVS08911). (standard NF / EN 61439-1 2011 edition).

| Number and type of devices per row | Metal front plate with cut-out | No. of vertical mod. | Plastic mounting plates with cut-out | Blanking plate or devices support |
|--|--|----------------------|--|---|
| W650 mounting on an interface with plastic mounting plates | | | | |
| 5 x  Vigirex and others devices 72 x 72 |  DD385458.eps | 3 |  DD385465.eps |  DD385466.eps To blank-off or install: - 1 to 4 Ø 16 or 22 mm buttons - 1 device, 45 x 45 |
| 4 x  Power Meter and others devices 96 x 96 | LVS03904 | | LVS03902 | LVS03900 |
| 2 x  For PM200, 200P, PM5 & PM8 series meters | | LVS03903 | LVS03901 | |
| W650 mounting on an inclined visor by 30° with plastic mounting plates | | | | |
| 5 x  Vigirex and others devices 72 x 72 |  DD385459.eps | 3 |  DD385465.eps |  DD385466.eps To blank-off or install: - 1 to 4 Ø 16 or 22 mm buttons - 1 device, 45 x 45 |
| 4 x  Power Meter and others devices 96 x 96 | LVS03928 ⁽¹⁾ | | LVS03902 | LVS03900 |
| 2 x  For PM200, 200P, PM5 & PM8 series meters | | LVS03903 | LVS03901 | |
| W650 direct mounting on a metal front plate with cut-outs | | | | |
| 72 x 72 device | | | | |
| 6 x  Vigirex and others devices 72 x 72 |  DD385460.eps | 3 | Direct mounting |  DD385469.eps To blank-off or install: - 1 or 2 Ø 22 mm buttons - 1 device, 45 x 45 |
| | LVS03910 | | - | LVS03907 |
| 96 x 96 device | | | | |
| 3 x  Power Meter and others devices 96 x 96 |  DD119465.eps | 3 | Direct mounting |  DD385470.eps To blank-off or install: - 1 or 2 Ø 22 mm buttons - 1 device, 45 x 45 - one 72 x 72 device |
| | LVS03911 | | - | LVS03908 |
| 1 x  Power Meter and others devices 96 x 96 |  DD385462.eps | 3 | Direct mounting |  DD385470.eps To blank-off or install: - 1 or 2 Ø 22 mm buttons - 1 device, 45 x 45 - one 72 x 72 device |
| | LVS03913 | | - | LVS03908 |
| 144 x 144 device + 72 x 72 devices | | | | |
| 1 x  144 x 144 device + devices 72 x 72 | | 4 | Direct mounting |  DD385469.eps To blank-off or install: - 1 or 2 Ø 22 mm buttons - 1 device, 45 x 45 |
| 4 x  devices 72 x 72 | | | - | LVS03907 |
| W650 pushbuttons and lamps Ø 22 mm | | | | |
| 12 x  Ø 22 mm |  DD385464.eps | 2 | Direct mounting | |
| | LVS03914 | | - | - |
| W400 front plate | | | | |
| 1 x  Power Meter and others devices 96 x 96 |  DD385660.eps | 3 | Direct mounting |  DD385470.eps To blank-off or install: - 1 or 2 Ø 22 mm buttons - 1 device, 45 x 45 - one 72 x 72 device |
| | LVS03923 | | - | LVS03908 |

(1) The visor (cat. no. **LVS03928**) can be installed on a plain door with cut-out.
 (2) For PM200, 200P, PM5 & PM8 series meters, use 2 no. blank off sheets between each meter.

Metering and human-switchboard interface

PowerLogic™ Meters

Vigilohm, Vigirex

Others

| Mounting | | Powerlogic system | | | | |
|-------------------------------------|--|--|--|--|------------------------------|---|
| | | | | | | |
| Devices | | FDM121, PM5000 & PM8000 series ⁽²⁾ | | PM3000 series, IEM2000 & IEM3000 series | FDM128 ⁽¹⁾ | PM5RD, PM89RD96, PM5563RD ⁽³⁾ |
| Number of vertical mod. | | 1 device | | 3 devices | 3 or 4 | 4 |
| DIN rail | | - | | - | - | - |
| Front plates [No. of vert. modules] | | transparent | | - | LVS03402 | LVS03402 |
| | | plain | | - | LVS03342 [4] | - |
| | | with cut-out | | LVS03913 [3] | LVS03911 [3] | LVS03804 [4] |
| Front plate | | With cut-out for devices 96 x 96 | | - | LVS03203 [3] | - |
| | | | | | Hole ø 22 mm to be stamped | Hole ø 30 mm to be stamped |

| Mounting | | Powerlogic system | | |
|-------------------------------------|--|--|------------------------------|---|
| | | | | |
| Devices | | FDM121, PM5000 series, PM8000 series ⁽²⁾ | FDM128 ⁽¹⁾ | PM5RD, PM89RD96, PM5563RD ⁽³⁾ |
| Number of vertical mod. | | 3 | 4 | 4 |
| DIN rail | | - | - | LVS03404 |
| Front plates [No. of vert. modules] | | with cut-out | - | - |
| | | plain | LVS03923 [3] | LVS03814 [4] |
| Front plate | | With cut-out for devices 96 x 96 | Hole ø 22 mm to be stamped | Hole ø 30 mm to be stamped |

| Mounting | | Vigilohm | | |
|----------------------------|--|--|--|----------------------------------|
| | | | | |
| Devices | | IM400 with 3 XD301 or with 1 or 2 IFL12 | IM10, IM10H, IM20, IM20H HV-IM20, HV-IM400, IM9, IM9-OL | IM10 / IM10H IM20 / IM20H |
| Number of vertical mod. | | 6 | 3 | 3 |
| Modular rail | | - | LVS03401 | - |
| Mounting plates | | LVS03930 | - | - |
| Front plates with cut-outs | | LVS03932 | LVS03203 | LVS03911 |
| Characteristics | | Installation in the device compartment | | |

| Mounting | | Vigirex | | Acti 9 | |
|----------------------------|--|--|---------------------------|---------------------------|--|
| | | | | | |
| Devices | | RH10/RH21/RH99/RH197M relays | Lamps, pushbuttons | Ammeter, voltmeter | |
| Number of vertical mod. | | 3 | 2 | 3 | |
| Modular rail | | LVS03401 | LVS03401 | LVS03401 | |
| Front plates with cut-outs | | LVS03203 | LVS03202 | LVS03203 | |
| Blanking strip | | LVS03220 | LVS03220 | LVS03220 | |
| plate divisible | | LVS03221 | LVS03221 | LVS03221 | |
| Characteristics | | Installation in the device compartment | | | |

(1) For 72 x 72 mm cases > page C-36.

(2) Only for flush-mounted versions of PM5000 series and PM8000 series.

(3) Only for remote-display versions of PM5000 series and PM8000 series.

Cubicles

Contents

Enclosures

| | |
|---------------------|-------------|
| Cover panels | C-42 |
| Cubicles | |
| Frameworks | C-45 |

Dimensions

| | |
|-----------------|-------------|
| Cubicles | C-47 |
|-----------------|-------------|

Enclosures

| | |
|--|-------------|
| Cubicles | |
| IP31 | C-52 |
| IP55 | C-55 |
| Plinth | C-57 |
| Cubicle handling and Lifting reinforcement kit | C-58 |
| Installation accessories | C-59 |
| Front plate accessories | C-61 |

Others

| | |
|--|-------------|
| Reserve space | C-62 |
| Fixing accessories | C-63 |
| Universal adapter | |
| Mounting on a plain backplate | C-64 |
| Others devices | |
| Mounting on a slotted plate - Mounting on a modular rail | C-65 |
| Cable running | C-66 |
| Connection accessories | |
| Cable-tie supports, lateral and longitudinal cross-members | C-67 |
| Door handles and locks | C-68 |
| Ventilation accessories | |
| Heat | C-69 |

Cover panels

Enclosures

600 mm deep switchboard

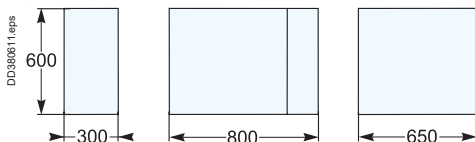
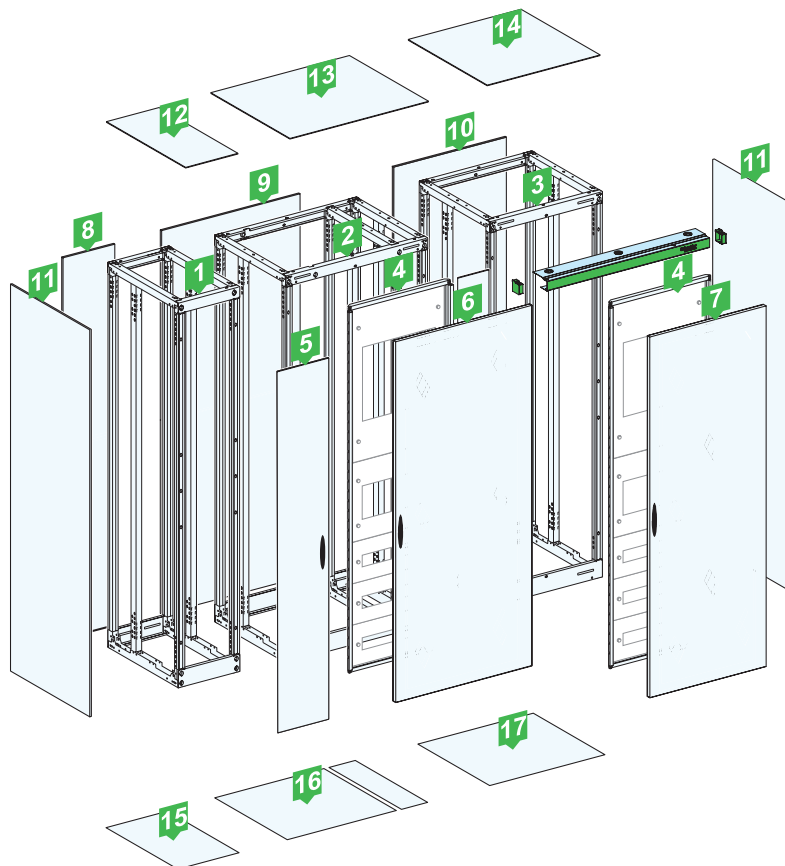
For switchboards with front connections.

- Front panels
 - One of the following must be installed in front of the hinged front plate frame support:
 - A plain door
 - A transparent door
- Rear panels = screw-on panels
- Side panels = screw-on panels
- Plain roof
- Gland plates (plain or in two parts)

Parts list:

- 1** LVS08603: Framework, W = 300, D = 600, H = 2000
- 2** LVS08607: Framework, W = 800 ⁽¹⁾, D = 600, H = 2000
- 3** LVS08606: Framework, W = 650, D = 600, H = 2000
- 4** LVS08566: Front plate frame support, W = 650
- 5** LVS08523: Plain door, W = 300
- 6** LVS08528: Plain door, W = 800 (supplied with barrier for busbar compartment, W = 150)
- 7** LVS08526: Plain door, W = 650
- 8** LVS08743: Rear panel, W = 300 (screw-on panel)
- 9** LVS08748: Rear panel, W = 800 (screw-on panel)
- 10** LVS08746: Rear panel, W = 650 (screw-on panel)
- 11** LVS08765: Set of two side panels, D = 600 (screw-on panels)
- 12** LVS08653: Plain roof, W = 300, D = 600 (screw-on panel)
- 13** LVS08658: Plain roof, W = 800, D = 600 (screw-on panel)
- 14** LVS08656: Plain roof, W = 650, D = 600 (screw-on panel)
- 15** LVS08683: Plain gland plate, W = 300, D = 600
- 16** LVS08687: Plain gland plate, W = 800, D = 600
- 17** LVS08686: Plain gland plate, W = 650, D = 600.

DB447617.eps



(1) (650+150) or (150+650).

Cover panels

Enclosures

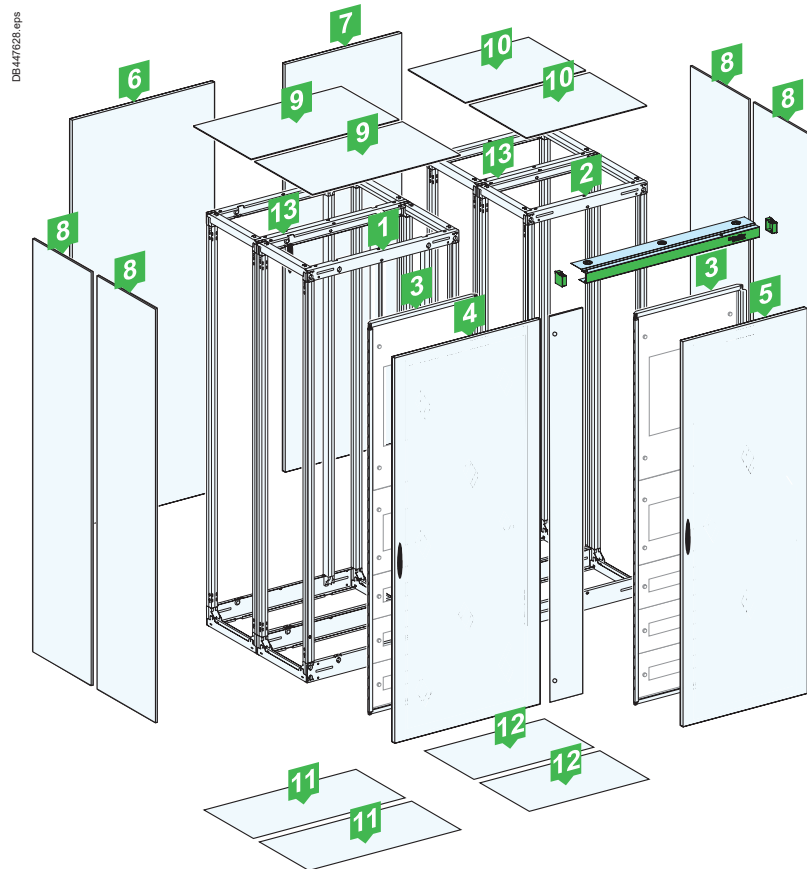
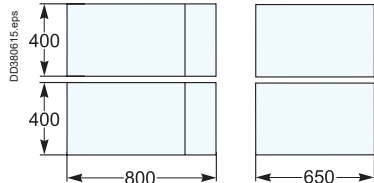
800 mm deep switchboard

Made up of two cubicles back-to-back.
Rear connections are possible.

- Front panels
 - One of the following must be installed in front of the hinged front plate frame support:
 - a plain door
 - a transparent door
- Rear panels = screw-on panels
- Side panels = screw-on panels
- Plain roof
- Gland plates (plain or in two parts)

Parts list:

- 1** LVS08407 x 2: 2 frameworks, W = 800 ⁽¹⁾, D = 400, H = 2000
- 2** LVS08406 x 2: 2 frameworks, W = 650, D = 400, H = 2000
- 3** LVS08566: Front plate frame support, W = 650
- 4** LVS08528: Plain door, W = 800 (supplied with barrier for busbar compartment, W = 150)
- 5** LVS08526: Plain door, W = 650
- 6** LVS08748: Rear panel, W = 800 (screw-on panel)
- 7** LVS08746: Rear panel, W = 650 (screw-on panel)
- 8** LVS08755 x 2: 2 sets of two side panels D = 400 (screw on panels)
- 9** LVS08458 x 2: 2 plain roofs, W = 800, D = 400 (screw on panels)
- 10** LVS08456 x 2: 2 plain roofs, W = 650, D = 400 (screw on panels)
- 11** LVS08487 x 2: 2 plain gland plates, W = 800, D = 400
- 12** LVS08486 x 2: 2 plain gland plates, W = 650, D = 400
- 13** LVS08719 x 2: Double depth combination kit



(1) (650+150) or (150+650).

Cover panels

Enclosures

1000 mm deep switchboard

Made up of two cubicles back-to-back.

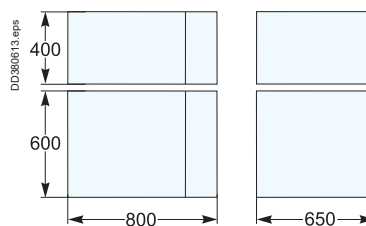
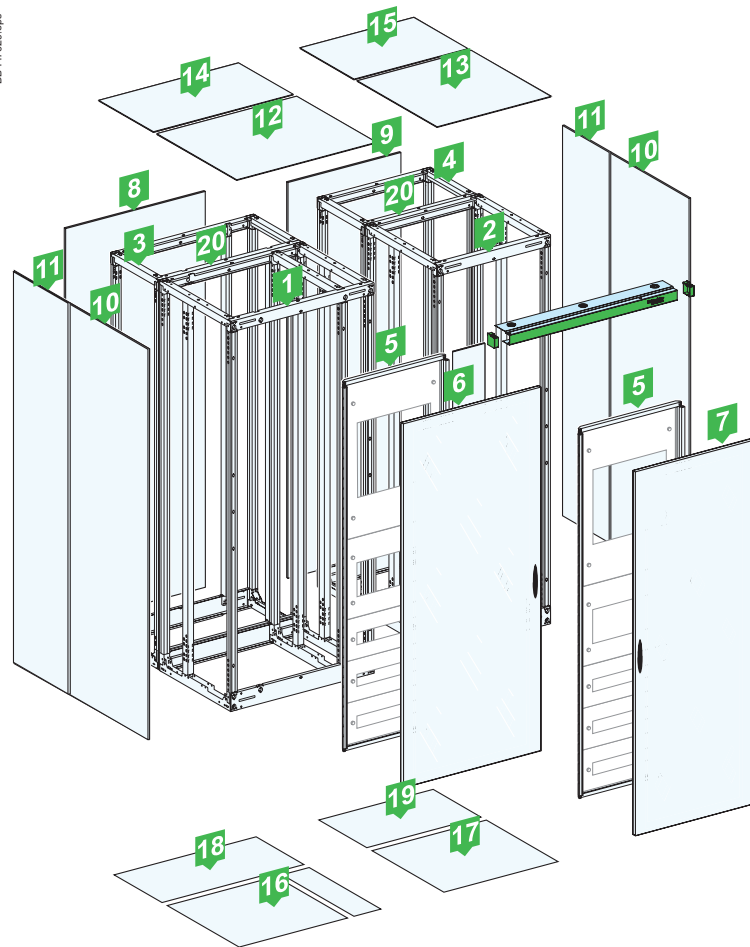
Rear connections are possible.

- Front panels
 - One of the following must be installed in front of the hinged front plate frame support:
 - a plain door
 - a transparent door
- Rear panels = screw-on panels
- Side panels = screw-on panels
- Plain roof
- Gland plates (plain or in two parts)

Parts list:

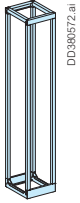
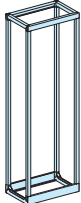
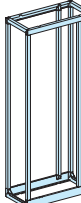

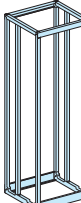
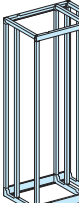
- | | | |
|-----------|---------------|--|
| 1 | LVS08607: | Framework, W = 800, D = 600, H = 2000 |
| 2 | LVS08606: | Framework, W = 650, D = 600, H = 2000 |
| 3 | LVS08407: | Framework, W = 800, D = 400, H = 2000 |
| 4 | LVS08406: | Framework, W = 650, D = 400, H = 2000 |
| 5 | LVS08566: | Front plate frame support, W = 650 |
| 6 | LVS08528: | Plain door, W = 800 (supplied with barrier for busbar compartment, W = 150) |
| 7 | LVS08526: | Plain door, W = 650 |
| 8 | LVS08748: | Rear panel, W = 800 (screw-on panel) |
| 9 | LVS08746: | Rear panel, W = 650 (screw-on panel) |
| 10 | LVS08765: | Set of two side panels, D = 600 (screw on panels) |
| 11 | LVS08755: | Set of two side panels, D = 400 (screw on panels) |
| 12 | LVS08658: | Plain roof, W = 800, D = 600 (screw on panel) |
| 13 | LVS08656: | Plain roof, W = 650, D = 600 (screw on panel) |
| 14 | LVS08458: | Plain roof, W = 800, D = 400 (screw on panel) |
| 15 | LVS08456: | Plain roof, W = 650, D = 400 (screw on panel) |
| 16 | LVS08687: | Plain gland plate, W = 800, D = 600 |
| 17 | LVS08686: | Plain gland plate, W = 650, D = 600 |
| 18 | LVS08487: | Plain gland plate, W = 800, D = 400 |
| 19 | LVS08486: | Plain gland plate, W = 650, D = 400 |
| 20 | LVS08719 x 2: | Double depth combination kit |

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Cubicles Frameworks

Enclosures

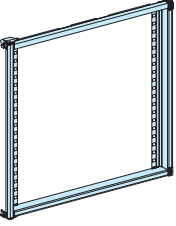
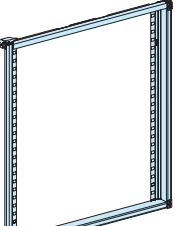
| Mounting | Frameworks | | | | | | | |
|-----------------|---|---|---|---|---|---|----------|-----------------|
| |  |  |  |  |  |  | | |
| Width (mm) | 300 | 400 | 650 | 800 (650 + 150) | 300 | 400 | 650 | 800 (650 + 150) |
| | Depth 400 mm | | | | Depth 600 mm | | | |
| Cat. no. | LVS08403 | LVS08404 | LVS08406 | LVS08407 | LVS08603 | LVS08604 | LVS08606 | LVS08607 |
| Composition | 2 frames | | | | | | 3 frames | |
| | - | | | + 2 additional uprights | Equipped with intermediate uprights for the mounting plates. | | | |
| | <ul style="list-style-type: none"> ■ 4 cross-pieces ■ Mounting hardware ■ Framework combinations | | | | | | | |
| Characteristics | <ul style="list-style-type: none"> ■ Cubicles can be combined side-by-side and back-to-back. ■ Can be equipped with screw cover panels. <p>Note: For the 800 mm width, the busbar compartment can be on the left or right.</p> | | | | | | | |



| Mounting | Hinged front plate frame support | |
|-----------------|---|--|
| |  |  |
| Width (mm) | 400 | 650 |
| Cat. no. | LVS08564 | LVS08566 ⁽¹⁾ |
| Characteristics | <ul style="list-style-type: none"> ■ Reversible for left or right-hand opening. ■ Secured at two points. <p>Note: Can be mounted on 650 mm and 800 mm (650 + 150) wide cubicles.</p> <p>(1) For drawout MasterPacT MTZ2, hinged front plate frame support must open towards left-hand side.</p> | |

Partial hinged cover-frame supports

> page C-14

| Mounting | Partial hinged cover-frame supports | |
|-----------------|---|--|
| |  |  |
| Width (mm) | 650 | |
| | 10 modules | 12 modules |
| Cat. no. | LVS08560 ⁽¹⁾ | LVS08562 ⁽¹⁾ |
| Characteristics | <ul style="list-style-type: none"> ■ For drawout MasterPacT MTZ2. <p>(1) Hinged front plate frame support must open towards left-hand side.</p> | <ul style="list-style-type: none"> ■ For drawout MasterPacT MTZ2 <p>(1) Hinged front plate frame support is left-hand opening.</p> |

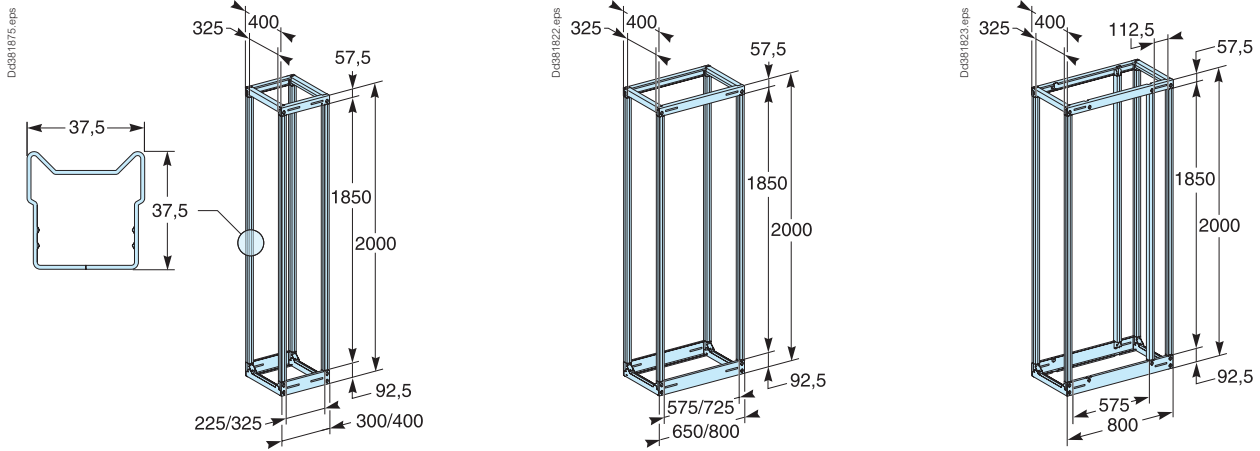
Cubicles
Frameworks

Enclosures

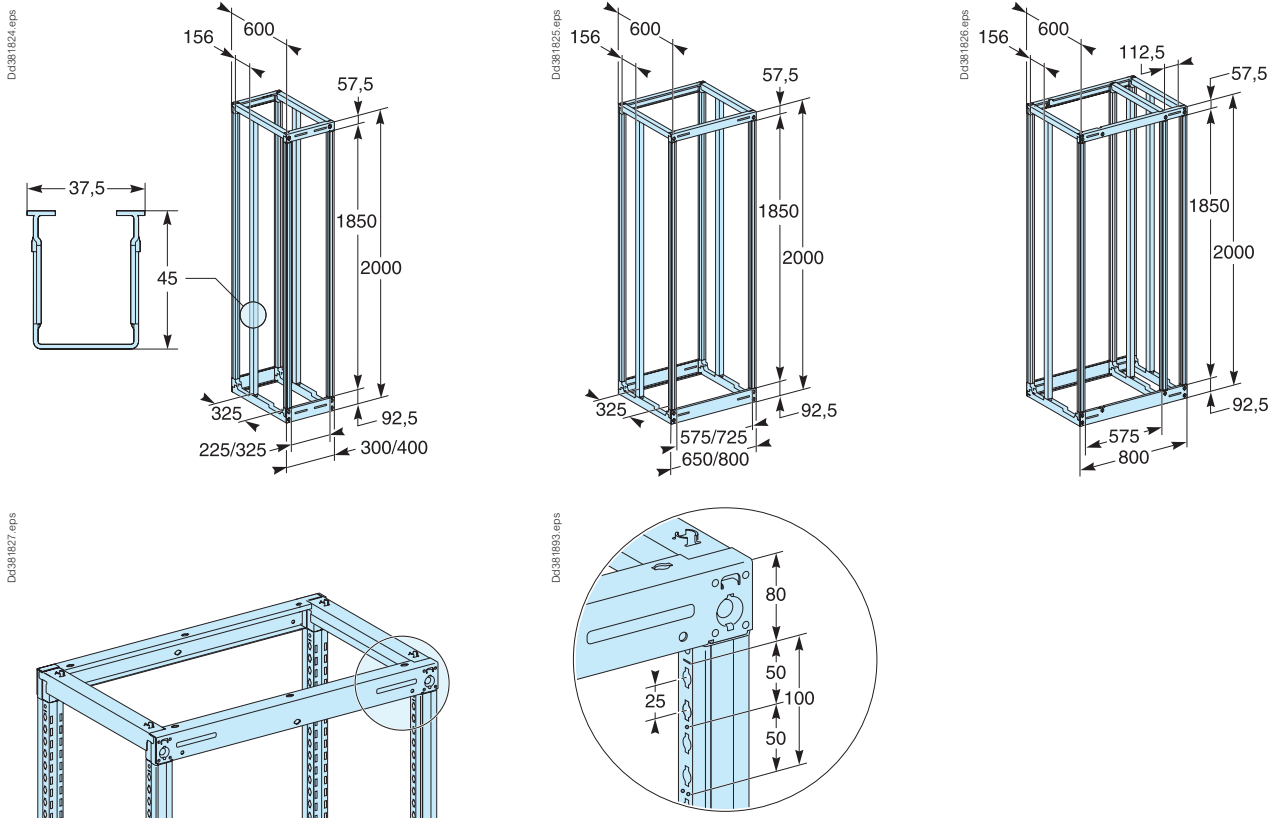
| Framework combinations | | |
|------------------------|---|---|
| | | |
| Type | Side-by-side | Back-to-back |
| | IP55 sealing kit | Double depth combination kit |
| Cat. no. | LVS08717 | LVS08719 |
| Characteristics | <ul style="list-style-type: none"> The 650 and 800 mm wide frameworks are supplied with a combination kit comprising six M6 bolts. To maintain the IP55 degree of protection, an optional gasket must be installed between the combined cubicles. | <p>The kit is made up of:</p> <ul style="list-style-type: none"> A set of hardware for the mechanical connections between the cross-pieces. Six assembly plates to connect the uprights. The IP55 sealing kit. |

| Accessories | | |
|-----------------|--|--|
| | | |
| Type | Commodities | |
| | Fixing screws and nuts | |
| Cat. no. | LVS08921 | LVS08718 |
| Characteristics | Set of 20 screws + wing nuts for framework | Set of 10 screws + combination accessories |

Frameworks, D = 400 mm



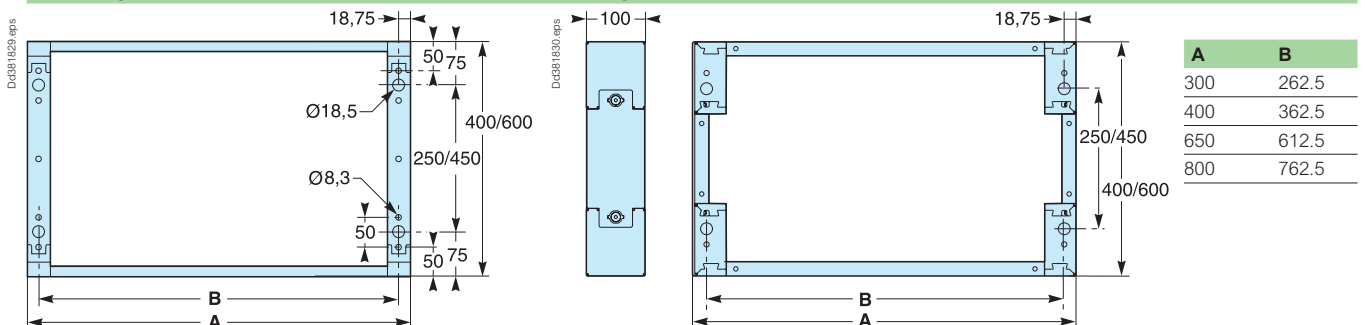
Frameworks, D = 600 mm



Fixing to floor

Without plinth

With plinth

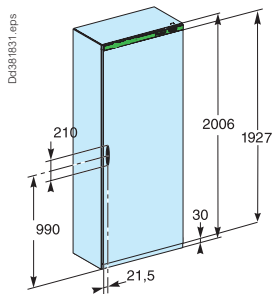


Cubicles

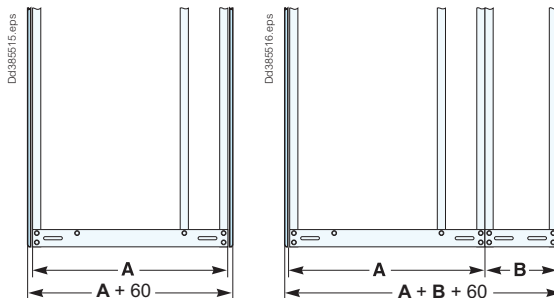
Dimensions

Cubicle with cover panels

Height

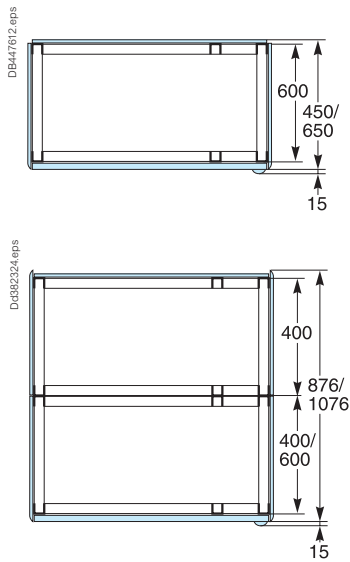


Width

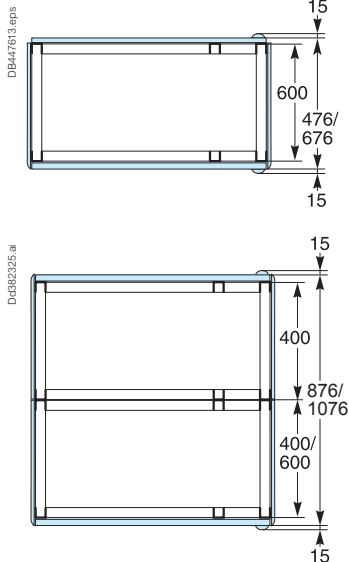


Depth

Door in front and panel in rear

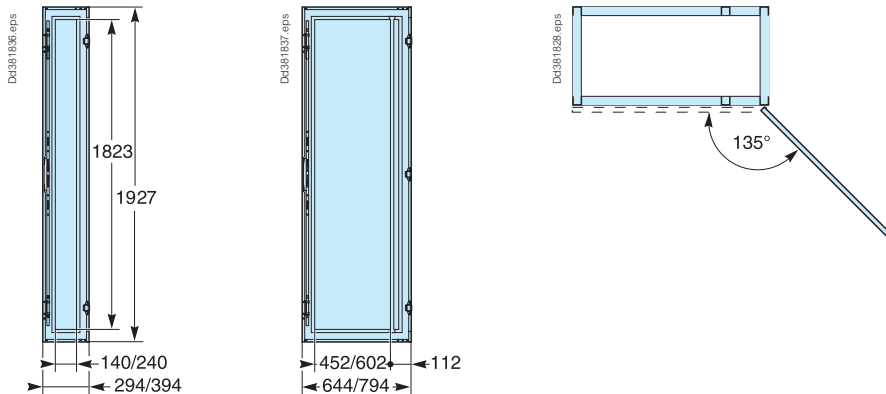


Doors front and rear

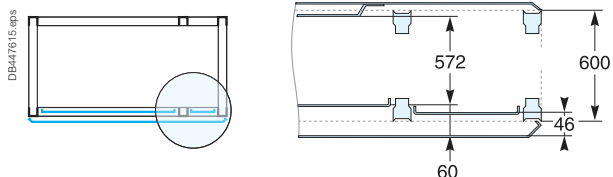


Door

IP55 door

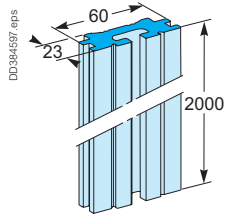


Available space behind door

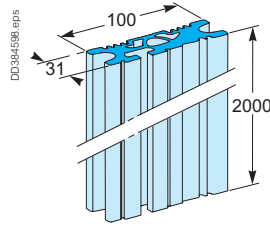


Linery LGYE busbars

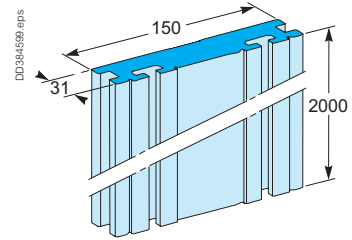
630 A - 1600 A



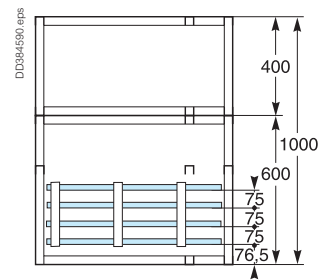
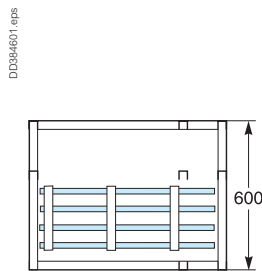
2000 A - 2500 A



3200 A

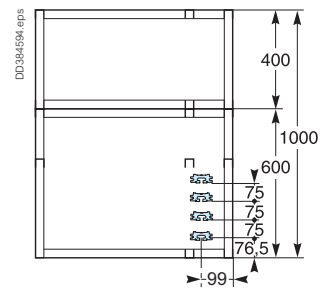
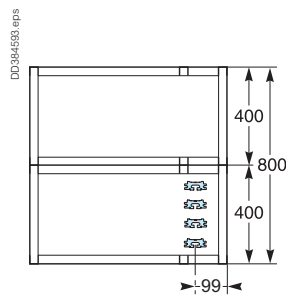
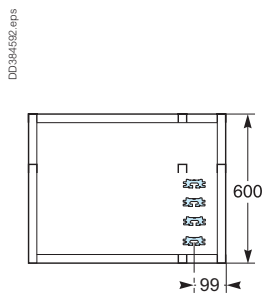


Layout of horizontal Linery LGYE busbars

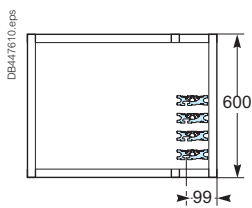


Layout of vertical Linery LGYE busbars

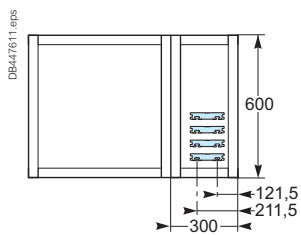
630 A - 1600 A



2000 A - 2500 A



3200 A

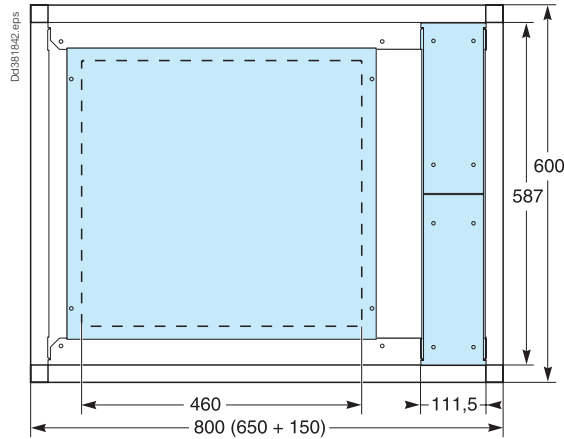
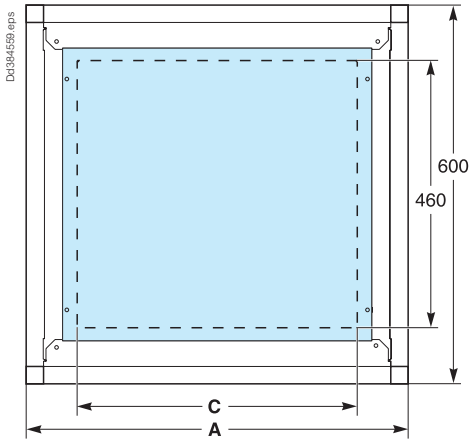
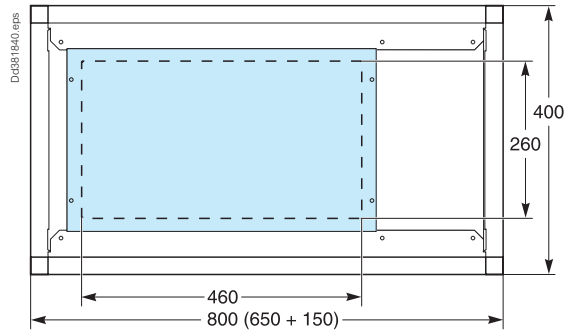
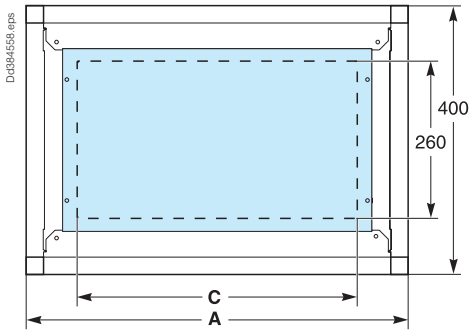
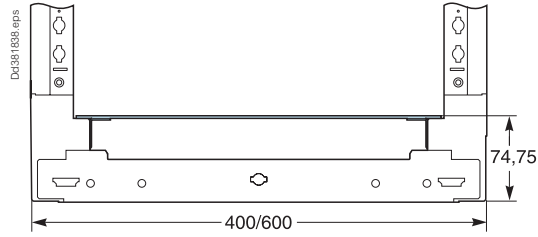


Cubicles

Dimensions

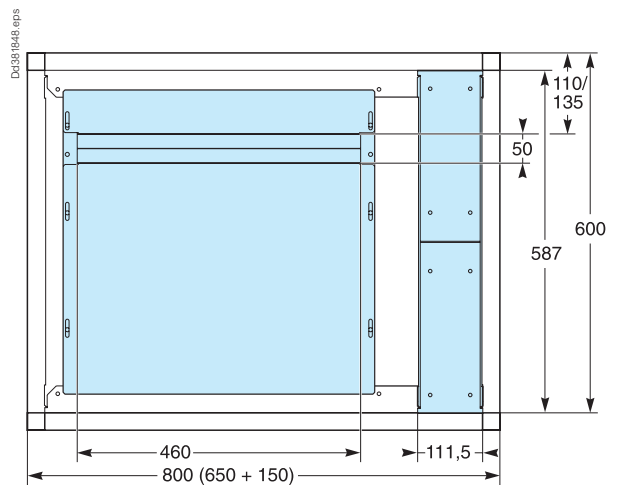
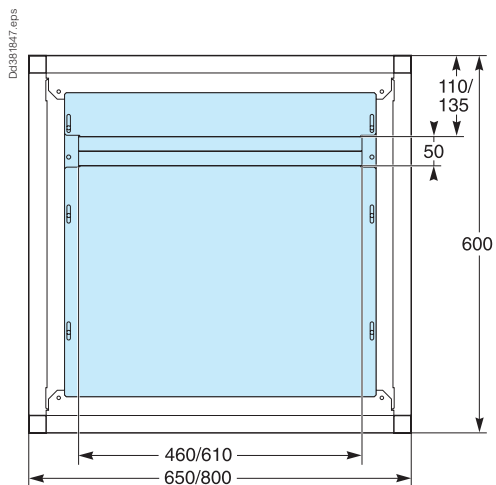
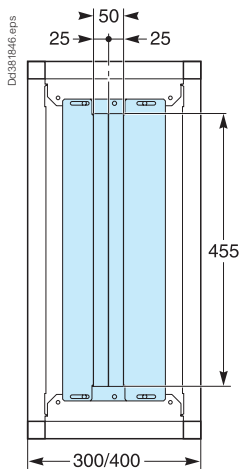
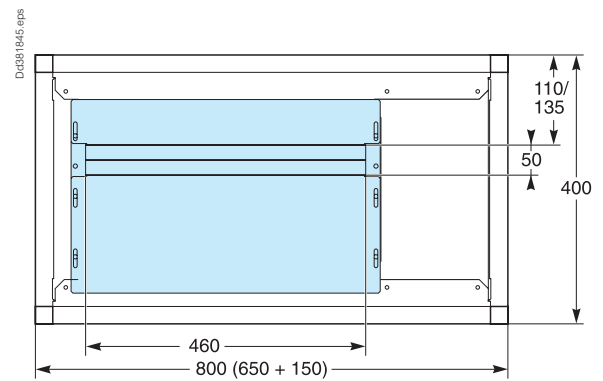
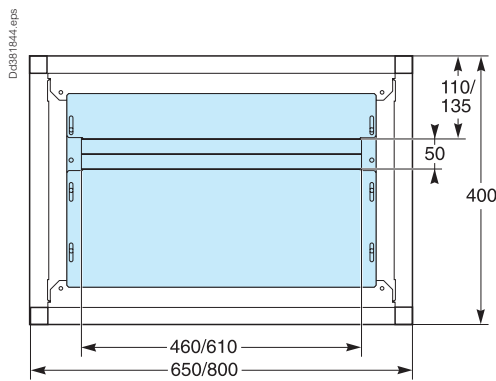
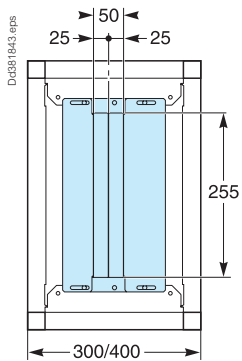
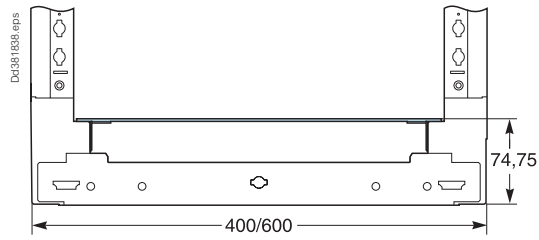
Plain gland plates

| A | C |
|-----|-----|
| 300 | 110 |
| 400 | 210 |
| 650 | 460 |
| 800 | 610 |



Dimensions

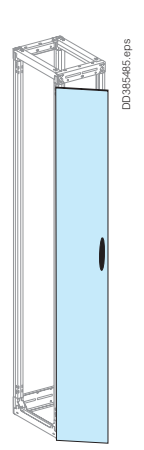

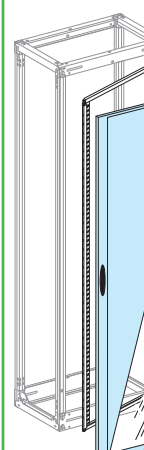
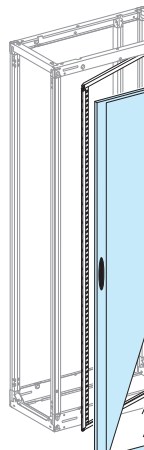
Two-part gland plates

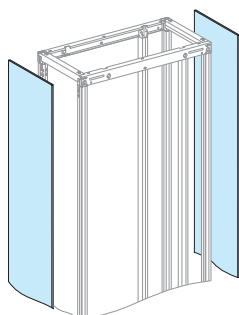


Cubicles

IP31

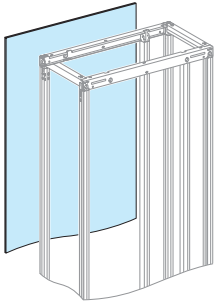
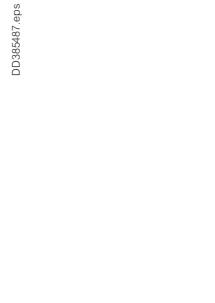
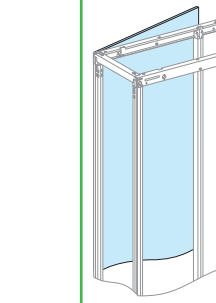
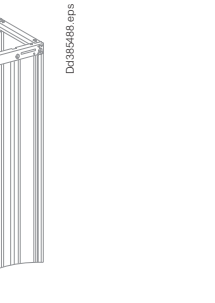
Enclosures

| Mounting | Front doors | | | |
|-------------------------|--|---|--|---|
| |  DD395485.eps |  DD119390.ai |  DD119388.ai |  DD119389.ai |
| Dimensions (mm) | W = 300 | W = 400 | W = 650 | W = 800 |
| Plain door | LVS08523 | LVS08524 | LVS01224 | LVS01225 |
| Glass door | – | LVS08544 | LVS08546 | LVS08548 |
| Reinforced door striker | – | LVS01114 ⁽¹⁾ | | |
| Characteristics | <ul style="list-style-type: none"> ■ Equipped with a factory-mounted polyurethane (PUR) gasket, IP55. ■ Reversible for left or right-hand opening. ■ Equipped with a handle and keylock (key 405). For other possibilities > page C-68. For IP55 rated configurations, front or rear mounted doors, it is necessary to follow the temperature derating tables, to ensure a convenient installation of devices. Note: The 800 mm door is supplied with a 150 mm barrier for the side compartment, plus a finishing accessory to improve the appearance of the upright. (1) Refer to instruction sheet JPT89930 in se.com for assembly. | | | |


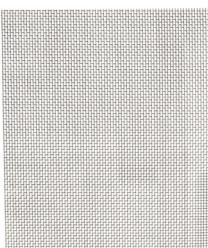
| Mounting | Side panels | |
|------------------------|--|----------------|
| |  DB447636.eps | |
| Dimensions (mm) | D = 400 | D = 600 |
| Side panels | LVS08755 | LVS08765 |
| Characteristics | <ul style="list-style-type: none"> ■ Equipped with a factory-mounted polyurethane (PUR) gasket. ■ Supplied with mounting hardware. | |

Cubicles
IP31

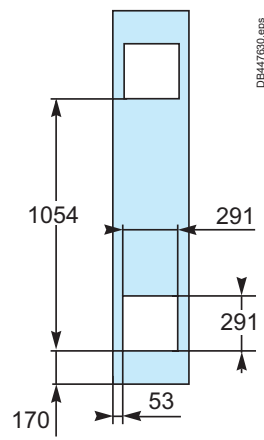
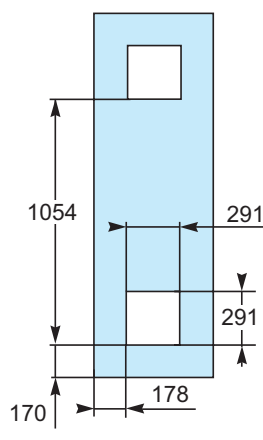
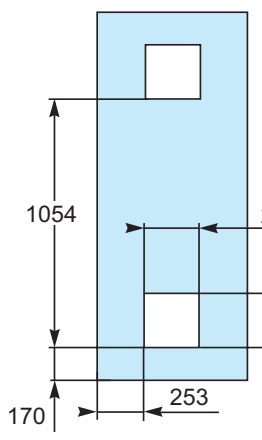
Enclosures

| Mounting | | Rear panels | | | |
|------------------------|--|---|---|--|---|
| | |  |  |  |  |
| Dimensions (mm) | W = 300 | W = 400 | W = 650 | W = 800 | |
| Rear panel | LVS08743 | LVS08744 | LVS08746 | LVS08748 | |
| Characteristics | <ul style="list-style-type: none"> ■ Equipped with a factory-mounted polyurethane (PUR) gasket. ■ Supplied with mounting hardware. ■ One-piece, reinforced panel designed to ensure the degree of protection. | | | | |



| Ventilation accessories | |
|-------------------------|--|
| |   |
| Catalog numbers | NSYAG291LPF NSYCAF291M |

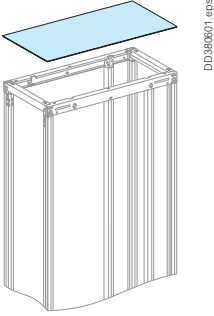
Note: Ventilation grid to be used only for IP31 enclosures.

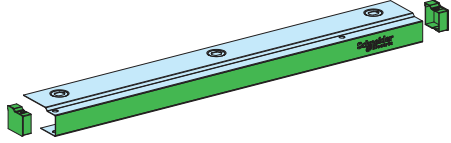
| Cut-outs in rear panels | | | |
|-------------------------|---|--|---|
| |  |  |  |
| Dimensions (mm) | W = 400 | W = 650 | W = 800 |

Cubicles

IP31

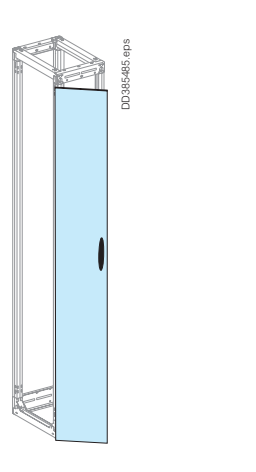
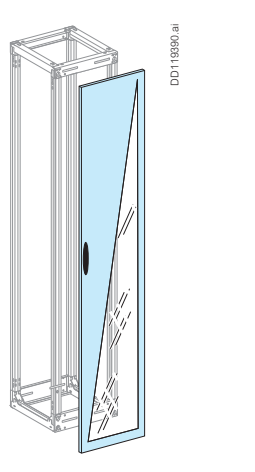
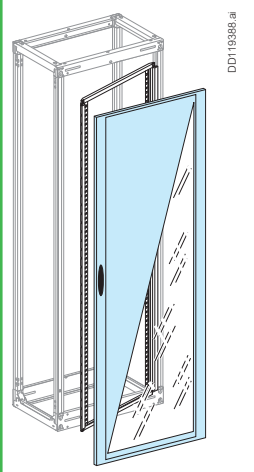
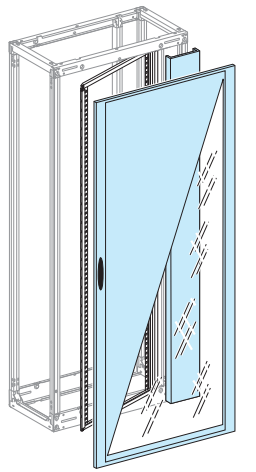
Enclosures

| Mounting | Roof | | | |
|-----------------------|--|-----------------|-----------------|-----------------|
| |  | | | |
| Dimensions (mm) | W = 300 | W = 400 | W = 650 | W = 800 |
| Plain roof D = 400 mm | LVS08453 | LVS08454 | LVS08456 | LVS08458 |
| Plain roof D = 600 mm | LVS08653 | LVS08654 | LVS08656 | LVS08658 |
| Characteristics | <ul style="list-style-type: none"> ■ Equipped with a factory-mounted polyurethane (PUR) gasket. ■ Supplied with mounting hardware. ■ With markings for clear identification of cable-running zones, if necessary. | | | |

| | Green cover to fix on top of each frame | | | |
|-----------------|--|-----------------|-----------------|-----------------|
| |  | | | |
| Dimensions (mm) | W = 300 | W = 400 | W = 650 | W = 800 |
| | LVS08640 | LVS08641 | LVS08642 | LVS08643 |
| Characteristics | To cover the top of each section which does not have Voltage Presence Indicator. | | | |

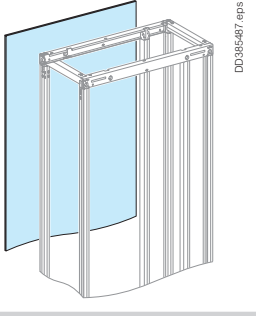

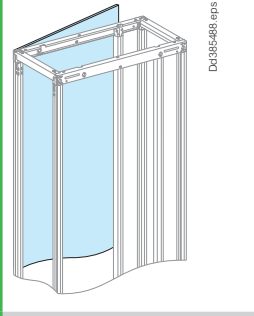

Cubicles
IP55

Enclosures

| Mounting | Front doors | | | |
|-------------------------|--|---|--|---|
| |  |  |  |  |
| Dimensions (mm) | W = 300 | W = 400 | W = 650 | W = 800 |
| Plain door | LVS08523 | LVS08524 | LVS08526 | LVS08528 |
| Glass door | - | LVS08544 | LVS08546 | LVS08548 |
| Reinforced door striker | - | LVS01114 ⁽¹⁾ | | |
| Characteristics | <ul style="list-style-type: none"> ■ Equipped with a factory-mounted polyurethane (PUR) gasket, IP55. ■ Reversible for left or right-hand opening. ■ Equipped with a handle and keylock (key 405). For other possibilities > page C-68. For IP55 rated configurations, front or rear mounted doors, it is necessary to follow the temperature derating tables, to ensure a convenient installation of devices. Note: The 800 mm door is supplied with a 150 mm barrier for the side compartment, plus a finishing accessory to improve the appearance of the upright. (1) Refer to instruction sheet JPT89930 in se.com for assembly. | | | |

DD119388.ai



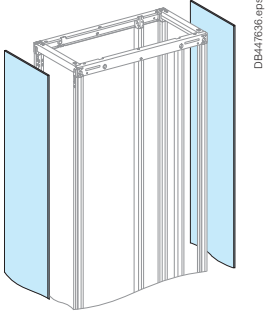
| Mounting | Rear panels | | | |
|------------------------|--|---|--|---|
| |  |  |  |  |
| Dimensions (mm) | W = 300 | W = 400 | W = 650 | W = 800 |
| Rear panel | LVS08743 | LVS08744 | LVS08746 | LVS08748 |
| Characteristics | <ul style="list-style-type: none"> ■ Equipped with a factory-mounted polyurethane (PUR) gasket. ■ Supplied with mounting hardware. ■ One-piece, reinforced panel designed to ensure the degree of protection. | | | |

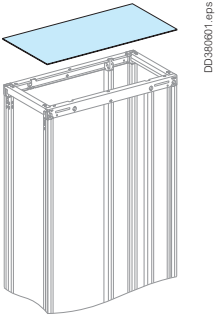
DD395487.eps

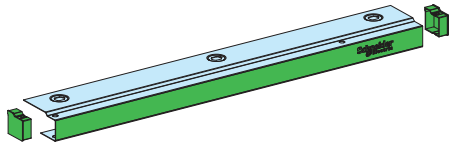
DD395488.eps

Cubicles
IP55

Enclosures

| Mounting | | Side panels | |
|------------------------|--|-----------------|--|
| |  | | |
| Dimensions (mm) | D = 400 | D = 600 | |
| Side panels | LVS08755 | LVS08765 | |
| Characteristics | <ul style="list-style-type: none"> ■ Equipped with a factory-mounted polyurethane (PUR) gasket. ■ Supplied with mounting hardware. | | |

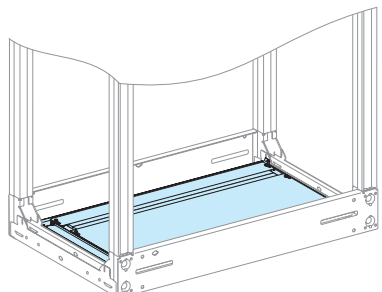
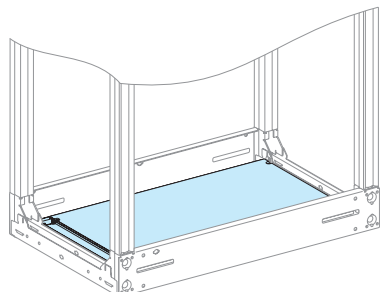
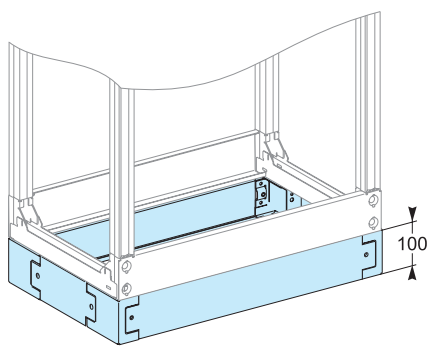
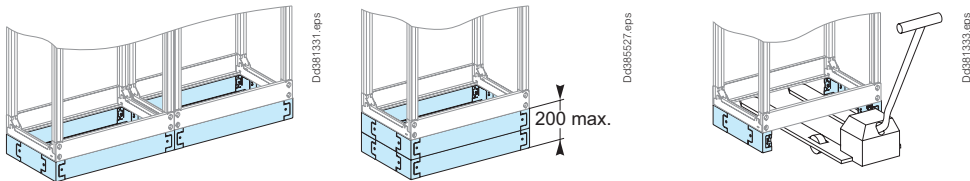
| Mounting | | Roof | | | |
|------------------------|--|-----------------|-----------------|-----------------|--|
| |  | | | | |
| Dimensions (mm) | W = 300 | W = 400 | W = 650 | W = 800 | |
| Plain roof D = 400 mm | LVS08453 | LVS08454 | LVS08456 | LVS08458 | |
| Plain roof D = 600 mm | LVS08653 | LVS08654 | LVS08656 | LVS08658 | |
| Characteristics | <ul style="list-style-type: none"> ■ Equipped with a factory-mounted polyurethane (PUR) gasket. ■ Supplied with mounting hardware. ■ With markings for clear identification of cable-running zones, if necessary. | | | | |

| Green cover to fix on top of each frame | | | | |
|---|---|-----------------|-----------------|-----------------|
| |  | | | |
| Dimensions (mm) | W = 300 | W = 400 | W = 650 | W = 800 |
| | LVS08640 | LVS08641 | LVS08642 | LVS08643 |
| Characteristics | To cover the top of each section which does not have Voltage Presence Indicator. | | | |

Cubicles

Plinth

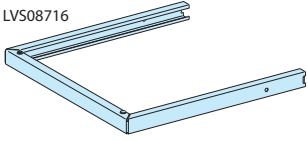
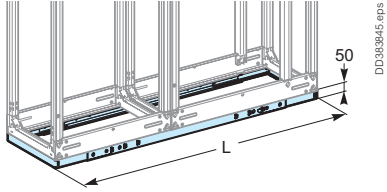
Enclosures

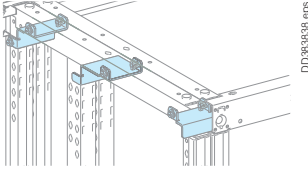
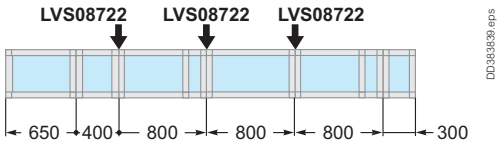
| Mounting | Two-part gland plates | | IP55, gland plates | | | |
|--|--|----------------|--|----------------|----------------|----------------|
| |  | |  | | | |
| Degree of protection | IP30/IP31 | | IP55 | | | |
| Dimensions (in mm) | D400 | D600 | D400 | D600 | | |
| W = 300 mm | LVS08493 | LVS08693 | LVS08483 | LVS08683 | | |
| W = 400 mm | LVS08494 | LVS08694 | LVS08484 | LVS08684 | | |
| W = 650 mm | LVS08496 | LVS08696 | LVS08486 | LVS08686 | | |
| W = 800 mm (650 + 150) | LVS08497 | LVS08697 | LVS08487 | LVS08687 | | |
| W = 800 mm | LVS08498 | LVS08698 | LVS08488 | LVS08688 | | |
| Mounting | Plinth H = 100 mm | | | | | |
| |  | | | | | |
| Dimensions (mm) | W = 300 | W = 400 | W = 650 | W = 800 | D = 400 | D = 600 |
| Four corner posts + two cross-pieces (front and rear) | LVS08723 | LVS08724 | LVS08726 | LVS08728 | - | - |
| Two side plates | - | - | - | - | LVS08720 | LVS08721 |
| Characteristics | The plinth is made up of two catalog numbers: <ul style="list-style-type: none"> ■ One catalog number comprising four corner posts + two cross-pieces (front and rear), that can be used in side-by-side combinations or stacked to form a plinth 200 mm high (maximum). ■ One catalog number comprising two side plates (400 or 600 mm). Each Catalog number is supplied with the necessary hardware. | | | | | |
| Examples |  <p>Side-by-side combination of two cubicles with a plinth. Two stacked plinths. The front and rear cross-pieces can be easily removed for a pallet-mover.</p> | | | | | |
| <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">⚠ WARNING</p> <p>TIP OVER HAZARD</p> <ul style="list-style-type: none"> • Read and apply user instructions before work: <ul style="list-style-type: none"> • Secure the product in place. • Secure the product if removing the securing bolts or moving the product. • Use appropriate lifting equipment. • Use trained personnel only, who know and understand the user instructions. <p>Failure to follow these instructions can result in death, serious injury, or product damage.</p> </div> | | | | | | |

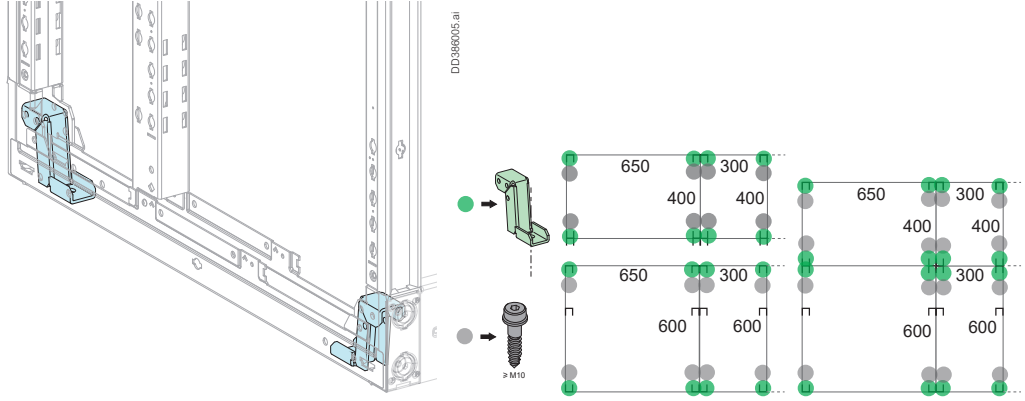
Cubicles

Cubicle handling and Lifting reinforcement kit

Enclosures

| Mounting | | Cubicle handling and rolling base | | | | |
|------------------------------------|--|---|-----------------|--|-----------------------|-----------------------|
| | |  | |  | | |
| Dimensions (mm) | | D = 400 | D = 600 | L1200 to L1900 | L2000 to L2550 | L2650 to L3050 |
| 2 cubicle handling base end-pieces | | LVS08714 | LVS08716 | - | - | - |
| Cubicle handling | | - | - | - | LVS08706 | - |
| Characteristics | This type of base is designed to avoid any risk of cubicle deformation during transport and handling. Five different catalog numbers offer 27 width possibilities (1200 to 3050 mm) for 400 and 600 mm deep cubicles. <ul style="list-style-type: none"> ■ Two catalog numbers each include 2 end-pieces for handling bases for 400 and 600 mm deep cubicles respectively and the corresponding mounting hardware. ■ Three catalog numbers each include 2 lengths for the sides of handling bases for 1200 to 3050 mm wide cubicles respectively and the corresponding mounting hardware. Handling bases can be used for both side-by-side and back-to-back cubicle combinations. In this case, the mounting hardware for one of the sets is used. | | | | | |

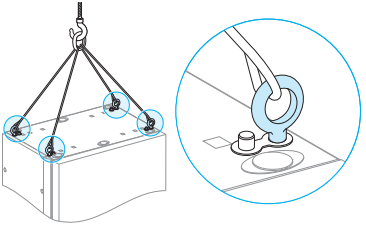
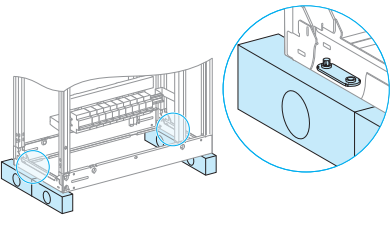
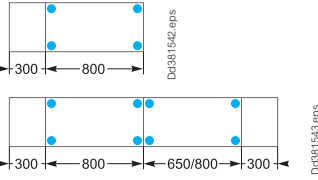
| Mounting | | Lifting reinforcement kit | |
|---------------------------|---|---|--|
| | |  | |
| | |  | |
| Dimensions (mm) | | D = 400, D = 600 | |
| Lifting reinforcement kit | | LVS08722 | |
| Characteristics | Kit LVS08722 is recommended for lifting combined cubicles and can be used together with handling base end-pieces LVS08714 or LVS08716 for severe transport or handling conditions. Catalog number LVS08722 includes 3 reinforcement brackets for 400 or 600 mm deep cubicles and the corresponding mounting hardware. | | |

| Mounting | | Seismic Kit | |
|-----------------------|--|--|--|
| | |  | |
| | | Foot part to be added in each bottom angle to reinforce the structure. | |
| Reinforcement bracket | | LVS08710 | |
| Characteristics | Catalog number ref LVS08710 includes 1 reinforcement bracket and 4 M6 screws. <ul style="list-style-type: none"> ■ Plinths are not allowed with seismic kits. | | |

| Type of cubicle | W300 | | W400 | | W650 | | W650 + W150 | |
|---|---------------------|---|---------------------|---|---------------------|-----------------|---|-----------------|
| | D = 400 | D = 600 | D = 400 | D = 600 | D = 400 | D = 600 | D = 400 | D = 600 |
| Framework | LVS08403 | LVS08603 | LVS08404 | LVS08604 | LVS08406 | LVS08606 | LVS08407 | LVS08607 |
| Reinforcement bracket | LVS08710 x 4 | | | | LVS08710 x 4 | | LVS08710 x 6 | |
| Longitudinal cross men | LVS08773 | | LVS08774 | | LVS03587 x 2 | | | |
| Lateral cross member | LVS03584 x 2 | LVS03584 x 2 + LVS03586 x 2 | LVS03584 x 2 | LVS03584 x 2 + LVS03586 x 2 | LVS03584 x 2 | | LVS03584 x 2 + LVS03586 x 2 | |
| M10 screw (not supplied) | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 6 |
| Side panels IP55 mandatory for IP30 and IP55 configurations | LVS08755 | LVS08765 | LVS08755 | LVS08765 | LVS08755 | LVS08765 | LVS08755 | LVS08765 |

Installation accessories

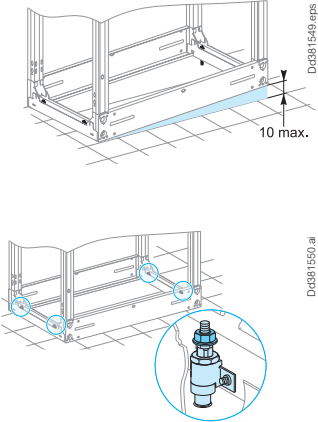
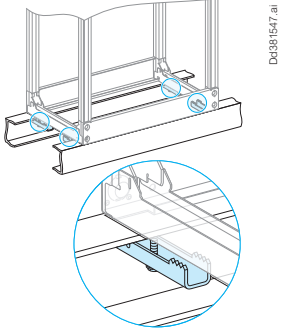
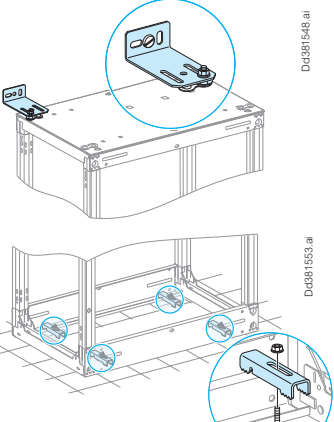
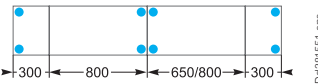
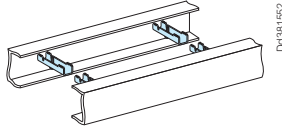
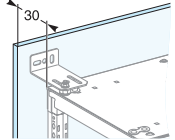
Enclosures

| Mounting | Lifting rings | Framework stabiliser kit |
|-----------------|--|--|
| |  <p style="text-align: right; font-size: small;">Doc81541.ai</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align: center;">WARNING</p> <p>HAZARD OF DROPPING</p> <ul style="list-style-type: none"> • Use strong slings with a valid use-by date when lifting with cranes. • Attach the slings to the 4 lifting rings of the cubicles. • For combined units, use lifting beam and slings for lifting. • Secure the plinth of floor standing enclosure using the fasteners. <p>Failure to follow these instructions can result in death, serious injury, or equipment damage.</p> </div> |  <p style="text-align: right; font-size: small;">Doc83846.ai</p> |
| Cat. no. | LVS08700 | LVS08701 |
| Characteristics | <ul style="list-style-type: none"> ■ Set of four lifting rings screwed to the framework. ■ Use a set of lifting rings for each framework (W = 650 and 800 mm) containing devices. ■ When two cubicles with devices have been combined, use a lifting beam. ■ Can be installed and removed without removing the roof ■ Even if they are left attached, the switchboard conserves its original degree of protection. <div style="margin-top: 10px;">  <p style="font-size: x-small;">Doc81542.eps</p> <p style="font-size: x-small;">Doc81543.eps</p> </div> <p>Positions of the lifting rings for two combined cubicles containing devices. In this case, a lifting beam must be used.</p> | <ul style="list-style-type: none"> ■ Made up of four blocks under the framework. ■ Suitable for all types of cubicles, whatever the width and depth. ■ Increases the stability of the cubicle during mounting of devices. ■ Makes possible cubicle handling using a pallet mover or a forklift. ■ Protects the front, side and rear cover panels during handling. ■ Can be reused. |



Installation accessories

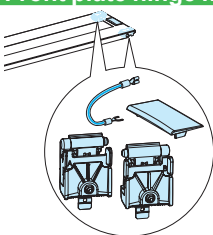
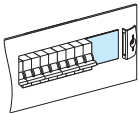
Enclosures

| Mounting | Levelling kit | False floor fixing kit | Floor / Wall fixing kit |
|--|---|---|--|
| |  <p>Dd3811549.eps 10 max. Dd3811550.ai</p> |  <p>Dd3811577.ai</p> |  <p>Dd3811548.ai Dd3811553.ai</p> <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">⚠ WARNING</p> <p>HAZARD OF DROPPING</p> <ul style="list-style-type: none"> • Use strong slings with a valid use-by date when lifting with cranes. • Attach the slings to the 4 lifting rings of the cubicles. • For combined units, use lifting beam and slings for lifting. • Secure the plinth of floor standing enclosure using the fasteners. <p>Failure to follow these instructions can result in death, serious injury, or equipment damage.</p> </div> |
| <p>Cat. no.</p> <p>Characteristics</p> | <p>LVS08702</p> <ul style="list-style-type: none"> ■ Set of 4 fixtures. ■ Can be installed at any time, even when the cubicle is already in position. ■ Maximum adjustment range = 10 mm. ■ Secures the cubicle to the floor.  <p>Dd3811551.eps</p> <p>Recommended positions of the fixtures for combined cubicles.</p> | <p>LVS08703</p> <ul style="list-style-type: none"> ■ Made up of four independent clamps. ■ Clamp on: <ul style="list-style-type: none"> □ "U" sections: H = 175 mm, W = 70 mm □ "I" sections: H = 120 mm, W = 64 mm ■ clamp travel = 11 mm  <p>Dd3811552.ai</p> | <p>LVS08704</p> <ul style="list-style-type: none"> ■ Made up of two brackets and four clamps. ■ Can be used to offset the switchboard fixing points for easier access. ■ The wall brackets ensure sufficient wall clearance (at least 30 mm) for natural convection.  <p>Dd3811554.eps</p> |

Front plate accessories

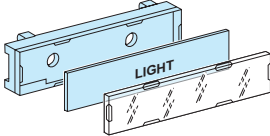
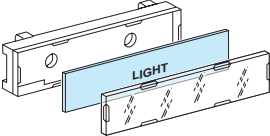
Front plate accessories, blanking plates

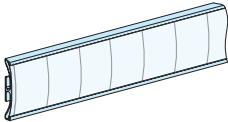
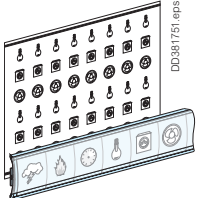
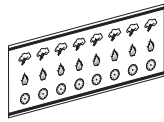
Enclosures

| Used for | Front plate hinge kit | Blanking plates | |
|-----------------|---|--|---|
| |  DD363950.eps |  DD364029.eps | |
| Cat. no. | For LVS08585 ⁽¹⁾ | For modular devices LVS03220 | |
| Characteristics | <ul style="list-style-type: none"> ■ Set of 2 hinges ■ 1 earthing braid | <ul style="list-style-type: none"> ■ Strip ■ H = 46 mm, L = 1 m | <ul style="list-style-type: none"> ■ Divisible ■ Set of 4 ■ H = 46 mm, L = 90 mm ■ White RAL 9003 |





(1) With a power voltage > SELV (12 V), devices on front plates must be mounted with a front plate hinge kit (cat no. **LVS08585**). The earthing braid must be connected to the front plate frame support (cat no. **LVS08566**, **LVS08564**, **LVS08560**, **LVS08562** or else).
 With a power voltage > SELV (12 V) and a supply protection > 16 A, in addition to the preceding rule, the front plate frame support (cat no. **LVS08566**, **LVS08564**, **LVS08560**, **LVS08562** or else) must be connected to the cubicle frame, using an earthing braid (cat no. **LVS08910** or **LVS08911**). (standard NF / EN 61439-1 2011 edition).

Identification labels

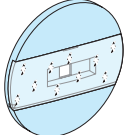
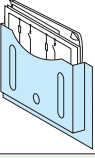
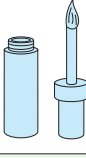
| Used for | Clip-on labels | Engraving plates | | | | |
|-----------------|--|--|-----------------|--|-----------------|-----------------|
| |  DD363974.eps |  DD363975.eps | | | | |
| Cat. no. | LVS08913 | LVS08915 | LVS08917 | LVS08914 | LVS08916 | LVS08918 |
| Dimensions (mm) | 18 x 35 | 18 x 72 | 25 x 85 | 18 x 35 | 18 x 72 | 25 x 85 |
| Characteristics | <ul style="list-style-type: none"> ■ Set of 12. ■ The clip-on support is supplied with a paper label and a transparent cover. ■ It clips onto the front plate horizontally or vertically and can be screwed to any support (plain door, plain front plate, etc.). | | | <ul style="list-style-type: none"> ■ Set of 12. ■ Simply replace the paper labels. | | |

| Used for | Adhesive labels | Symbol sheets | |
|-----------------|---|---|--|
| |  DD381715.eps |  DD381751.eps |  DD381752.eps |
| Cat. no. | LVS08905 LVS08906 LVS08903 LVS08904 | 13735 | |
| Dimensions (mm) | 24 x 180 36 x 180 24 x 432 36 x 432 | 13736 | |
| Characteristics | <ul style="list-style-type: none"> ■ Set of 12. ■ The adhesive label holders are supplied with a paper label and a transparent cover. | <ul style="list-style-type: none"> ■ Set of ten symbol sheets. ■ Standard symbols: <ul style="list-style-type: none"> □ Loads: sockets, lights, heating units, etc. □ Rooms: bedroom, bathroom, etc. | |

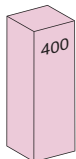
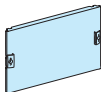

Adhesive labels for mimic diagrams

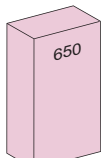
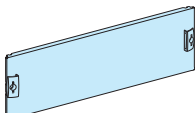
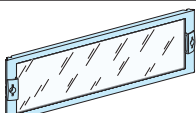
| Used for | Lines | Outgoing arrows | Incoming arrows | Transformers |
|-----------------|--|--|--|--|
| |  x 10 |  x 10 |  x 10 |  x 10 |
| Cat. no. | LVS01005 | LVS01006 | LVS01007 | LVS01008 |
| Characteristics | 900 mm long and 7 mm thick Set of 10 | | | |

Accessories

| Used for | Switchboard identification plate | Drawing holder | Touch-up accessories |
|-----------------|--|--|--|
| |  DD381721.eps |  DD381208.eps |  DD385306.eps |
| Cat. no. | LVS08900 | LVS08963 | LVS08961 |
| Characteristics | Color: RAL 9003 | Color: RAL 9003 | Color: RAL 9003 |

Reserve space

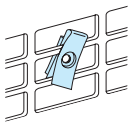
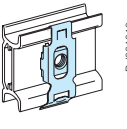
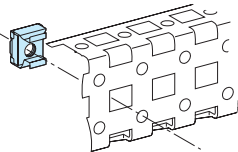
| Reserve space | | | | | | | | |
|---|--|------------|------------|------------|------------|------------|------------|------------|
|  |  DB417928.eps | | | | | | | |
| | Plain front plate W = 250 mm | | | | | | | |
| | H = 50 mm | H = 100 mm | H = 150 mm | H = 200 mm | H = 250 mm | H = 300 mm | H = 450 mm | H = 600 mm |
| [No. of vertical mod.] | [1] | [2] | [3] | [4] | [5] | [6] | [9] | [13] |
| Catalog number | LVS03811 | LVS03812 | LVS03813 | LVS03814 | LVS03815 | LVS03816 | LVS03817 | LVS03722 |
| |  DB417929.eps | | | | | | | |
| | Transparent front plate W = 250 mm | | | | | | | |
| | [No. of vertical mod.] | - | - | - | [4] | - | [6] | [9] |
| Catalog number | - | - | - | LVS03352 | - | LVS03353 | LVS03354 | - |

| Reserve space | | | | | | | | |
|--|--|------------|------------|------------|------------|------------|------------|------------|
|  |  DB417926.eps | | | | | | | |
| | Plain front plate W = 500 mm | | | | | | | |
| | H = 50 mm | H = 100 mm | H = 150 mm | H = 200 mm | H = 250 mm | H = 300 mm | H = 450 mm | H = 600 mm |
| [No. of vertical mod.] | [1] | [2] | [3] | [4] | [5] | [6] | [9] | [12] |
| Catalog number | LVS03801 | LVS03802 | LVS03803 | LVS03804 | LVS03805 | LVS03806 | - | LVS03808 |
| |  DB417927.eps | | | | | | | |
| | Transparent front plate W = 500 mm | | | | | | | |
| | [No. of vertical mod.] | - | - | - | [4] | - | [6] | [9] |
| Catalog number | - | - | - | LVS03342 | - | LVS03343 | LVS03344 | LVS03345 |

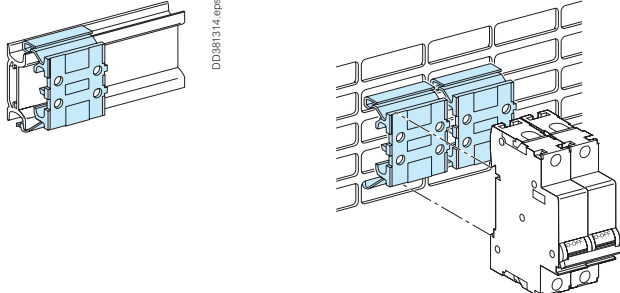
Fixing accessories

Others

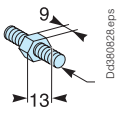
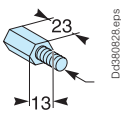
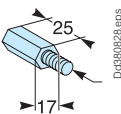
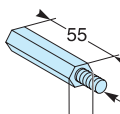
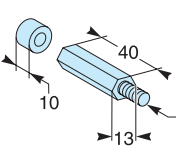
Clip-nuts

| Mounting | For slotted mounting plates | For modular rails | For lateral and longitudinal cross-members |
|-----------------|--|--|--|
| |  DD381312.eps |  Dd381313.eps |  Dd381612.eps |
| M4 | LVS03180 | LVS03164 | - |
| M5 | LVS03181 | LVS03165 | - |
| M6 | LVS03182 | LVS03166 | LVS03194 |
| Characteristics | Set of 20 Mounting of various devices | Set of 20 Mounting of various devices | Set of 20 Mounting in cubicles |

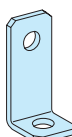
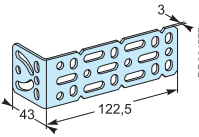
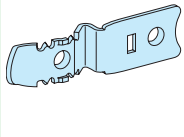
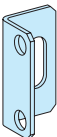
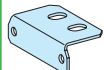
Pratic raiser

| Raiser | |
|-----------------|---|
| |  DD381314.eps DD381576.eps |
| Catalog number | LVS04224 |
| Characteristics | Set of 5 Height 10 mm, wide 27 mm Color: RAL 9003, insulating material |

Hexagonal spacers

| Hexagonal spacers | | | | | |
|-------------------|--|--|--|--|--|
| |  DD380628.eps |  Dd380628.eps |  Dd380628.eps |  Dd380628.eps |  Dd380628.eps |
| M5 | LVS03185 | LVS03186 | - | LVS03187 | - |
| M6 | LVS03195 | LVS03196 | LVS03198 | LVS03197 | - |
| M8 | - | - | - | - | LVS03199 |
| Characteristics | Height: 9 mm Set of 4 | Height: 23 mm Set of 4 | Height: 25 mm Set of 4 | Height: 55 mm Set of 4 | Height: 40 + 10 mm Set of 4 |

Universal angle brackets

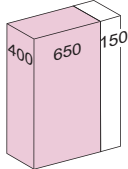
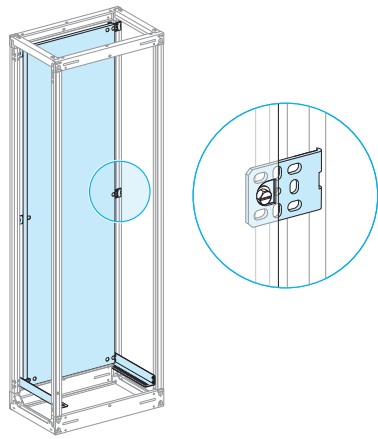
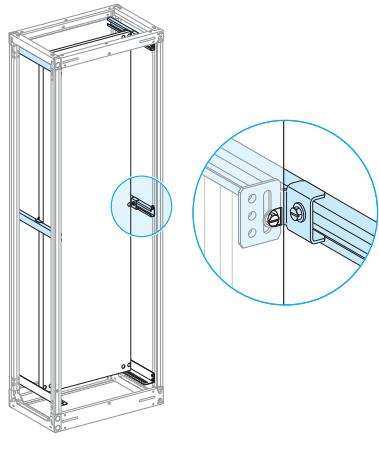
| Universal angle brackets | | | | | |
|--------------------------|--|--|---|--|--|
| |  DD383657.eps |  DD381577.eps |  DD382820.eps |  DD383078.eps |  DD385531.eps |
| Catalog number | LVS03580 | LVS03581 | LVS03582 | LVS03583 | LVS04667 |
| Characteristics | Set of 4 + vis | Set of 2 | 6 universal inserts | Set of 6 | Set of 2 |

Universal adapter

Mounting on a plain backplate

Others

Mounting on a plain backplate

| Mounting | Plain backplate | Slide rails + angle brackets | |
|---|---|---|---|
|  |  |  | |
| Catalog number | LVS03570 | LVS03569 | LVS03593 |
| Characteristics | 36 modules 510 mm wide for installation in a device compartment W = 650 mm or W = 800 mm (650 + 150). | 36 modules 660 mm wide for installation for a cubicle W = 800 mm. | Set of 2 for the installation and depth adjustment. |

Note: The adapter **LVS03595** can be used for all mounting plates, except **LVS03030**.
 Depth adjustable, the busbars can be supplied by a ComPacT INS-INV switch-disconnector or a fixed/withdrawable ComPacT NSX circuit breaker, whatever the type of operating system (toggle, rotary handle, motor mechanism).

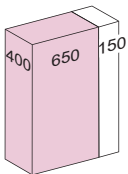
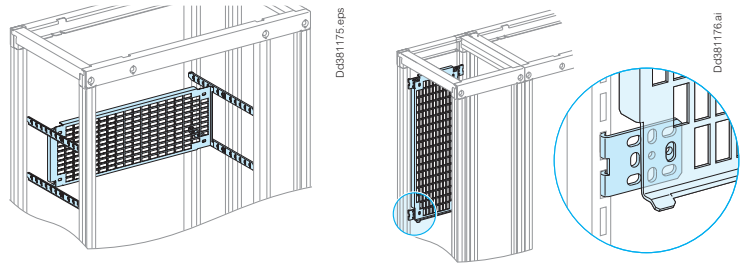
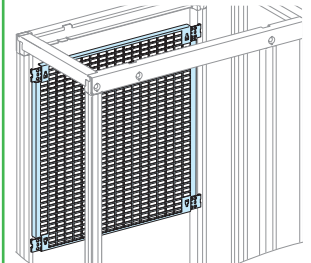
Others devices

Mounting on a slotted plate

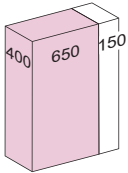
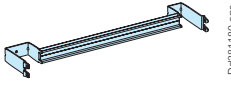
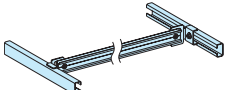
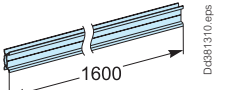
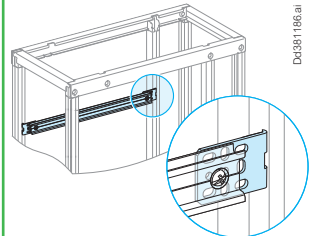
Mounting on a modular rail

Others

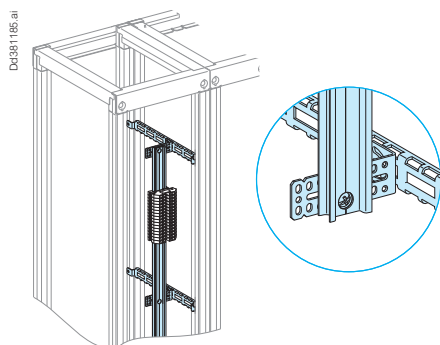
Mounting on a slotted plate

| Mounting | Slotted mounting plates + lateral cross-members | | Slotted mounting plate without lateral cross-members |
|---|---|---------------------|---|
|  |  | |  |
| Catalog number | LVS03571 | LVS03572 | LVS03574 |
| Number of vertical modules | 4 | 6 | 12 |
| Height (mm) | 200 | 300 | 600 |
| 2 universal angle brackets | – | 2 x LVS03581 | – |
| Characteristics | <p>Installation</p> <ul style="list-style-type: none"> ■ Either in the device zone on the four lateral cross-members (depth adjustment is possible). ■ Or vertically at the rear of a cable compartment, W = 300 mm (LVS03571) or W = 400 mm (LVS03572). | | <ul style="list-style-type: none"> ■ Galvanised, slotted metal mounting plate. ■ Supplied with four angle brackets, they connect directly to the rear of a framework, W = 650 mm or 800 mm (650 + 150 mm). ■ The mounting plate can also be installed using two sets of two slide rails (LVS03593 x 2) for depth adjustment. |

Mounting on a modular rail

| Mounting | Modular rails | | | Modular rail W = 650 mm |
|---|---|---|---|---|
|  |  |  |  |  |
| Catalog number | LVS03401 | LVS03402 | LVS04226 ⁽¹⁾ | LVS03590 |
| Characteristics | Useful length: 432 mm | Useful length: 432 mm Modular rail (adjustable) | Set of 2 rails, useful length: 1600 mm with 4 holes, Ø 6.4 mm, 450 mm between centres | W = 650 mm Supplied with two angle brackets for mounting on the framework. |

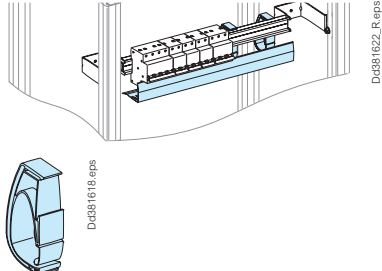
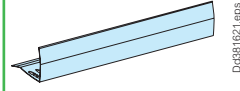
(1) Example of a Linergy busbars installed in a busbar compartment, on a modular rail cat. no. **LVS04226 + LVS03581 + LVS08794**: > page C-84.



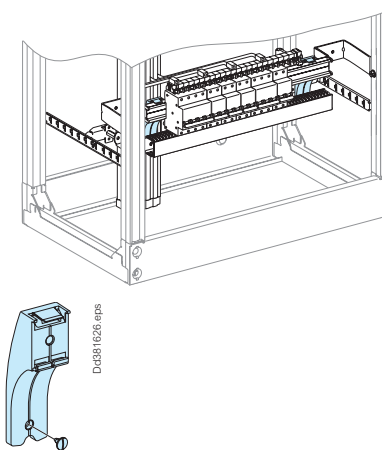
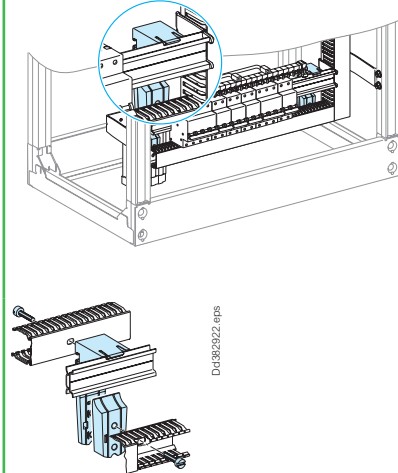
Cable running

Others

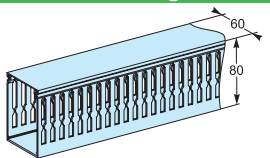
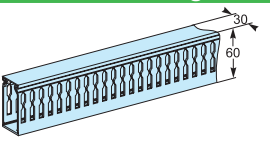
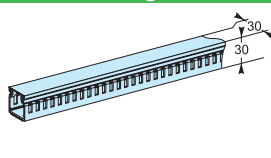
Straps and covers

| Type | Horizontal cable straps | Covers for horizontal cable straps |
|-----------------|---|--|
| |  |  |
| Catalog number | LVS04239 | LVS04243 |
| Characteristics | Set of 12 Horizontal cable straps have the same capacity as 60 x 30 mm trunking. | Set of 4 covers of 430 mm |

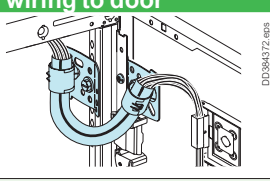
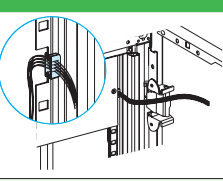
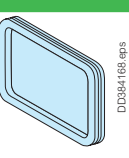

Trunking supports

| Type | Horizontal trunking supports | Adaptable support for horizontal trunking |
|-----------------|--|---|
| |  |  |
| Catalog number | LVS04255 | LVS04256 |
| Characteristics | Set of 12 | Set of 10 Aligns the cover of a horizontal trunking section (H = 60 or 80 mm) with that of a vertical trunking section (H = 80 mm). Note: Not designed for use with Pack enclosures. |

Trunkings

| Type | Vertical trunkings 80 x 60 mm | Horizontal trunkings 60 x 30 mm | Cable trunkings for doors 30 x 30 mm |
|-----------------|---|---|---|
| |  |  |  |
| Catalog number | LVS04267 | LVS04257 | LVS04233 |
| Characteristics | Set of 18 L = 2000 mm | Set of 4 L = 450 mm Supplied with supports | Set of 30 adhesive trunkings 30 x 30 mm L = 2000 |

Cable trunkings for doors, grommets

| Type | Flexible trunkings for wiring to door | Grommets | | |
|-----------------|---|---|--|---|
| |  |  |  |  |
| Catalog number | LVS04235 | LVS04234 | LVS01215 | 87648 |
| Characteristics | W = 500 mm, inner Ø = 19 mm | Set of 10 For wiring through front | 5 square grommets 70 x 40 | 50 grommets Ø22 mm |

Connection accessories

Cable-tie supports, lateral and longitudinal cross-members

Others

| Mounting | Longitudinal cable-tie supports | | | | Lateral cable-tie supports | |
|-----------------|---|-----------------|-----------------|-----------------|---|-----------------|
| | | | | | | |
| Catalog number | LVS08773 | LVS08774 | LVS08776 | LVS08778 | LVS08794 | LVS08796 |
| Characteristics | W = 300 mm | W = 400 mm | W = 650 mm | W = 800 mm | D = 400 mm | D = 200 mm |
| | Set of 4, supplied with the necessary hardware for connection to the framework. Cable-tie supports are used to correctly position the cables in the connection compartment. | | | | For frameworks that are 400 mm deep, assign a 400 mm deep support to a 200 mm deep support. | |

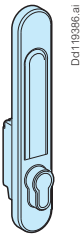
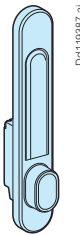
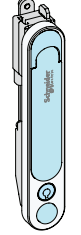
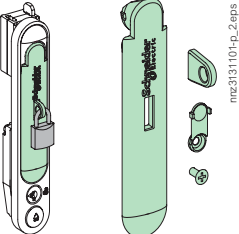
| Mounting | C-shaped cable-tie supports |
|-----------------|---|
| | |
| Catalog number | LVS08783 |
| Characteristics | <p>C-shaped 1600 mm long support, supplied with hardware for mounting on universal angle brackets and modular rails, that can be cut to length as needed.</p> <p>Can be secured to:</p> <ul style="list-style-type: none"> ■ Universal angle bracket LVS03581 (for the longitudinal support). ■ Universal angle bracket LVS03582 (for the lateral support). ■ Modular rail LVS03593 (for depth adjustment). |

| Mounting | Lateral cross-members | Longitudinal cross-members | |
|-----------------|---|---|---|
| | | | |
| Catalog number | LVS03584 | LVS03586 | LVS03587 |
| Characteristics | Set of 2 W = 400 mm: for frameworks that are 400 mm deep | Set of 2 W = 200 mm: can be added to the 400 mm crossmembers for frameworks that are 600 mm deep. They can also be installed separately. | Set of 2 W = 650 mm They are connected directly to the framework (W = 650 mm). They can also be mounted on the lateral cross-members. |
| | Metallics, they offer numerous positioning holes for easier installation. | | |

Door handles and locks

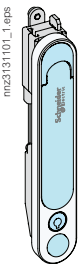


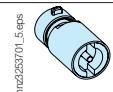

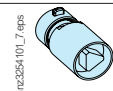
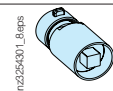
Others

Handles and padlocking

| | EURO handle | ASSA/ABLOY handle | RAL 7016 rotary handle | Padlocking |
|-----------------|---|---|---|---|
| |  |  |  |  |
| Cat. no. | LVS07932 | LVS07933 | LVS07931 | LVS07938 |
| Characteristics | Supplied without barrel | Supplied without barrel | Supplied with barrel lock (key no. 405) RAL 7016 | For new rotary handle |


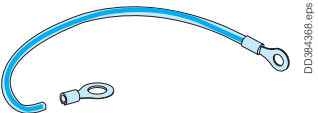
Barrel locks, inserts

The barrel locks and inserts below can mount on all the door handles of Prisma**SeT** P range after removing the standard barrel lock (key n°405).

| Barrels & inserts for rotary handle | | Characteristics | Catalog numbers |
|---|---|------------------|-----------------|
|  |  | 1 key no. 405 | LVS07940 |
| |  | 2 keys no. 455 | LVS07941 |
| | | 2 keys no. 1242E | LVS07942 |
| | | 2 keys no. 3113A | LVS07943 |
| | | 2 keys no. 2433A | LVS07944 |
| | 2 keys no. 2432E | LVS07956 | |
|  | DIN double bar insert | LVS07945 | |
|  | Screwdriver slot insert | LVS07946 | |
|  | Male triangle insert 8 mm | LVS07949 | |
|  | Male square insert 6 mm 8 mm | LVS07951 | |
| | | LVS07953 | |

Earthing braid

Earthing braid is used to earth a door or wicket door with devices.

| | Earthing braid, 6 mm ² | Earthing wire, 6 mm ² |
|-----------------|--|--|
| |  |  |
| Catalog numbers | LVS08910 | LVS08911 |
| Characteristics | Equipped with a 4 mm diameter lug at one end and a 6 mm diameter lug on the other. W = 200 mm. | Equipped with a 5 mm diameter lug at one end and a 6 mm diameter lug on the other. W = 200 mm. |

Ventilation accessories

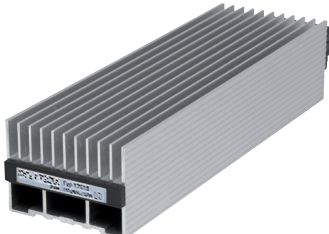

Heat

Others


Resistors

Resistors prevent condensation, corrosion, and superficial leakage currents. They maintain a positive temperature in the enclosures and cubicles when external temperatures drop very low.

- Install heaters according to the desired power level at the bottom of the enclosure.
- Respect a safety area of a least 10 cm around the device.
- The heaters must be installed with a thermal controller to control the temperature or the humidity inside the enclosure.
- The enclosure must be sealed to prevent the entry of air from the outside.
- An electrical protection device must be installed on the supply side of the unit.
- Surface temperature limited to 75 °C when the ambient temperature is -5 °C.
- Heaters equipped with a power cable with a length of 500 mm with silicon insulation, or with a connection terminal block.

| | Aluminium PTC resistors | | | | | Resistive heaters with fan | |
|------------------|--|------------|----------------|-------------|-------------|--|----------------|
| |  | | | | |  | |
| | Power cord | | Terminal block | | | Terminal block | |
| Cat. no. | NSYCR10WU2 | NSYCR20WU2 | NSYCR55WU2 | NSYCR100WU2 | NSYCR150WU2 | NSYCR250W230VV | NSYCR400W230VV |
| Power rating (W) | 10 | 25 | 55 | 90 | 150 | 250 | 400 |
| Voltage (V) | 110-250 AC | 110-250 AC | 110-250 AC | 110-250 AC | 110-250 AC | 230 AC | 230 AC |
| Characteristics | <ul style="list-style-type: none"> ■ Vertical mounting. ■ Aluminium case with fins. ■ Temperature: <ul style="list-style-type: none"> □ Turns off at 60 °C. □ Turns on at 25-30 °C (temperature of the resistor itself). ■ Equipped with a symmetrical. | | | | | <ul style="list-style-type: none"> ■ Vertical mounting. ■ Aluminium case with fins. ■ Temperature: <ul style="list-style-type: none"> □ Turns off at 60 °C. □ Turns on at 25-30 °C (temperature of the resistor itself). ■ Equipped with a symmetrical. | |

Thermofan

| | Thermofan |
|------------------|---|
| |  |
| | Terminal block |
| Cat. no. | NSYCRP1W230VTVC |
| Power rating (W) | 400/550 |
| Voltage (V) | 230 AC |
| Characteristics | <ul style="list-style-type: none"> ■ Combination of a resistance heater and an axial motor to ensure uniform heating of the enclosure. ■ Fixing by clip on a DIN rail. ■ Thermostat adjustable from 0...+60 °C. ■ Visual operation indicator. |

Linergy Distribution Systems

Contents

Power busbars

Linergy LGYE

Horizontal profiles up to 3200 A

C-72

Lateral profiles up to 3200 A

C-73

Linergy Busbars

Accessories

C-74

Distribution blocks

Linergy DP

Quick distribution blocks - ComPacT NSXm up to 160 A

C-75

Secondary distribution

Insulated flexible bars

C-76

Distribution blocks

Linergy DX

Quick distribution blocks

C-78

Device feeders

Linergy FM

Quick device feeders

C-80

Terminal blocks and lines

Linergy TB

Earth bars

C-82

PE conductors

C-83

Secondary distribution

Linergy TB terminal block support

C-84

Electrical characteristics

Designing connection ≤ 630 A

Auxiliary connections

C-85

Linergy TR

Terminal blocks

C-86

Linergy cable ends

Mounting and cabling accessories

C-88

Linergy LGYE

Horizontal profiles up to 3200 A

400 mm deep installation

Power busbars

| Linergy LGYE profiles | | Up to 1600 A | | | | | Up to 2500 A | | Up to 3200 A |
|--|---------|--------------|----------|----------|----------|----------|--------------|----------|--------------|
| Installation | | | | | | | | | |
| Linerogy profiles, 2000 mm length | | | | | | | | | |
| Permissible current for an ambient temperature of 35 °C around the switchboard | IP ≤ 31 | 630 A | 800 A | 1000 A | 1250 A | 1600 A | 2000 A | 2500 A | 3200 A |
| | IP > 31 | 530 A | 680 A | 850 A | 1050 A | 1480 A | 1650 A | 2100 A | 2800 A |
| Number of profiles per phase | | 1 | | | | | | | |
| Total number of vertical modules (50 mm) | | 3 | | | | | 3 | | 4 |
| Catalog numbers | | LVS04560 | LVS04561 | LVS04562 | LVS04563 | LVS04564 | LVS04565 | LVS04566 | LVS04567 |

| Busbar supports | | | |
|---|--|-------------------------------|--|
| | | | |
| | | Fixed support LVS04664 | |
| | | Free support LVS04662 | |
| Characteristics | | | |
| Two fixed supports for 650 mm or 650 + 150 mm wide PrismaSeT P frameworks and one fixed support for 300/400 mm wide PrismaSeT P frameworks are mandatory. If more supports are required, use free supports. | | | |
| In cubicle W = 650 or W = 650+150 busbar supports 75 mm between centres | Number of supports depending on l _{cw} (kA rms/1 s) | ≤ 15 | 2 |
| | | ≤ 25 | 2 |
| In duct W = 300 busbar supports 75 mm between centres | Number of supports depending on l _{cw} (kA rms/1 s) | ≤ 30 | 2 |
| | | ≤ 40 | 2 |
| | | ≤ 50 | 2 |
| | | ≤ 60 | 2+1 |
| | | ≤ 65 | 2+1 |
| | | ≤ 75 | 2+1 |
| | | ≤ 85 | 2+1 |
| In duct W = 400 busbar supports 75 mm between centres | Number of supports depending on l _{cw} (kA rms/1 s) | ≤ 85 | 2+1 |
| | | ≤ 100 | 2+3 |
| Catalog numbers | Fixed support | LVS04664 | |
| | Free support | LVS04662 | |
| In cubicle W = 800 busbar supports 75 mm between centres | Number of supports depending on l _{cw} (kA rms/1 s) | ≤ 100 | 2 + 4 ⁽³⁾ |
| | | ≤ 100 | 2 + 4 ⁽³⁾ |
| Catalog numbers | Fixed support | LVS04664 | LVS04664 + LVS04671 ⁽¹⁾ (hardware) |
| | Free support | LVS04662 | LVS04662 + LVS04671 ⁽¹⁾ (hardware) |
| Catalog numbers | Fixed support | LVS04664 | LVS04664 + LVS04646 ⁽²⁾ (hardware) |
| | Free support | LVS04662 | LVS04662 + LVS04646 ⁽²⁾ (hardware) |
| Catalog numbers | Fixed support | LVS04664 | LVS04664 + LVS04671 ⁽¹⁾ (hardware) |
| | Free support | LVS04662 | LVS04662 + LVS04671 ⁽¹⁾ (hardware) |
| Catalog numbers | Fixed support | LVS04664 | LVS04664 + LVS04646 ⁽²⁾ (hardware) |
| | Free support | LVS04662 | LVS04662 + LVS04646 ⁽²⁾ (hardware) |

| Joints | | Up to 1600 A | | | | | Up to 2500 A | | Up to 3200 A |
|-----------------|--|--|-------|--------|--------|--------|-----------------------------|--------|-----------------------------|
| | | 630 A | 800 A | 1000 A | 1250 A | 1600 A | 2000 A | 2500 A | 3200 A |
| | | | | | | | | | |
| Catalog numbers | | LVS04620 | | | | | LVS04624 | | LVS04623 |
| | | 3x LVS04620 (3P) | | | | | 3x LVS04621 (3P) | | 3x LVS04623 (3P) |
| | | 4x LVS04620 + LVS04624 (4P) | | | | | 4x LVS04621 + LVS04624 (4P) | | 4x LVS04623 + LVS04624 (4P) |
| Note | | LVS04624 is mandatory in case of jointed 4P Linergy LGYE busbars installations and must be installed only at the junction on side-by-side frameworks combination. When installed at the bottom of cubicles, the busbars must be partitioned. | | | | | | | |

(1) LVS04671: mounting hardware for bars or profile H = 100 or 120 mm. Contains 2 threaded rods and 4 insulators.

(2) LVS04646: mounting hardware for bars or profile H = 150 mm. Contains 2 threaded rods and 2 insulators. Note: For accessories > page C-74.

(3) It is applicable for W800 control panel configuration only.

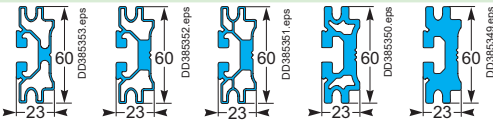
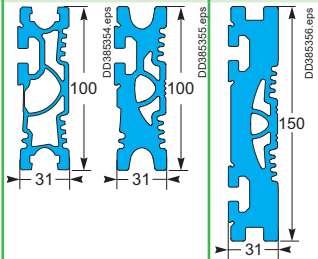
Linergy LGYE

Lateral profiles up to 3200 A

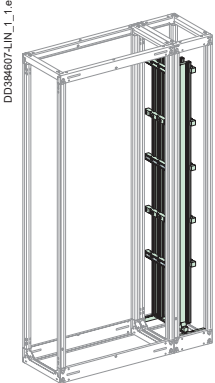
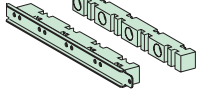
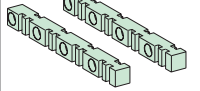
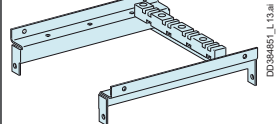
400 mm deep installation

Power busbars

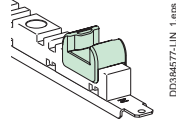
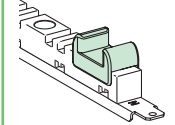
Linergy LGYE profiles

| | Linergy profile, 2000 mm length ⁽¹⁾ | | | | | Linergy profile, 1625 mm length | | |
|--|--|-----------------|-----------------|------------------|------------------|---|------------------|------------------|
| In duct | W150 | | | | | W150 | W300 | |
| Linergy profile |  | | | | |  | | |
| | 630 A | 800 A | 1000 A | 1250 A | 1600 A | 2000 A | 2500 A | 3200 A |
| Permissible current for an ambient temperature of 35 °C around the switchboard | IP ≤ 31: 630 A IP > 31: 530 A | 800 A 680 A | 1000 A 850 A | 1250 A 1050 A | 1650 A 1480 A | 2000 A 1650 A | 2440 A 2100 A | 3200 A 2800 A |
| Length to cut for side mounting | 1675 mm | | | | | - | | - |
| Number of profiles per phase | 1 | | | | | | | |
| Catalog numbers | LVS04560 | LVS04561 | LVS04562 | LVS04563 | LVS04564 | LVS04507 | LVS04508 | LVS04509 |

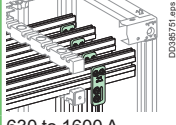
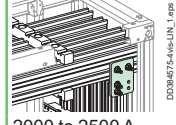

Busbar supports

| | | | | | |
|--|------------------------|--|--|---|--|
|  | |  |  |  | |
| | Characteristics | Attach directly to the framework. Three fixed supports are required to maintain the busbars. If more than three supports are required, use additional free supports. The bottom support maintains the bars in position. It is not considered a busbar support. | | | |
| Number depending on I _{cs} (kA rms/1 s) | ≤ 30 | 3 | | 3 | |
| ≤ 40 | - | 3+2 | | 3 | |
| ≤ 50 | - | 3+2 | | 3 | |
| ≤ 60 | - | 3+2 | | 3 | |
| ≤ 65 | - | 3+2 | | 3 | |
| ≤ 75 | - | 3+4 | | 3+2 | |
| ≤ 85 | - | 3+4 | | 3+2 | |
| ≤ 100 | - | 3+4 | | 3+6 | |
| In duct W150, W = 300 busbar supports 75 mm between centres | Catalog numbers | Fixed support | LVS04661 | LVS04661 + LVS04671 ⁽²⁾ | LVS04661 + LVS04646 ⁽³⁾ |
| | | Free support | LVS04662 | LVS04662 + LVS04671 ⁽²⁾ | LVS04662 + LVS04646 ⁽³⁾ |

Busbars chocks

| | | | | |
|-----------------------|--|---|-----------------|----------------------------|
| |  |  | | |
| Characteristics | Chocks installed on a bottom support LVS04658 The bottom support maintains the sections in position. It is not considered a busbar support. | | | |
| In duct W150, W = 300 | Catalog numbers | Bottom support | LVS04663 | LVS04666 + LVS04661 |
| | | Chocks | LVS04658 | LVS04659 |

Connections to the horizontal Linergy LGYE busbars

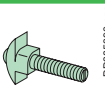
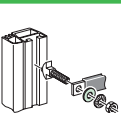
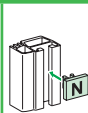
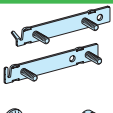
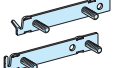
| | | | |
|---|--|---|---|
| |  |  |  |
| Characteristics | Supplied with mounting hardware. Catalog numbers include 1 connection only: 1 connection per phase. | | |
| Cat. no. according to horizontal busbar size | LVS04602 (straight connection) LVS04603 (shifted connection) | LVS04604 (short connection) LVS04605 (long connection) | LVS04607 |

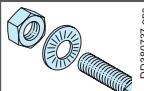
- (1) Linergy LGYE profiles up to 1600 A must be cut at the dimension of the cubicle: 1625 mm.
- (2) **LVS04671**: mounting hardware for bars or profile H = 100 or 120 mm. Contain 2 threaded rods and 4 insulators.
- (3) **LVS04646**: mounting hardware for bars or profile H = 150 mm. Contain 2 threaded rods and 3 insulators.


Linergy Busbars

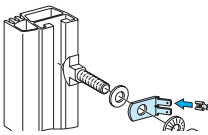
Accessories

Power busbars

| Accessories | | | | | | | | | | | |
|-----------------|---|-----------------|---|-----------------|-----------------|---|---|---|---|--|--|
| |  DD381219-LIN-15.eps | |  DD381219-LIN-15.eps | | |  DD381222-LIN-10.eps | |  DD381222-LIN-10.eps | |  DD381222-LIN-10.eps | |
| | Linergy connection hardware | | Steel flat washers | | | Brass flat washers | | Markers | | Screwplate | |
| Cat. no. | LVS04766 | LVS04767 | LVS04772 | LVS04773 | LVS04774 | LVS04775 | LVS04794 | LVS01130 | LVS04768 | LVS04769 | |
| Characteristics | L 25 mm | L 39 mm | 20 mm ext. Ø | 24 mm ext. Ø | 28 mm ext. Ø | 20 mm ext. Ø | | 2 studs | 2 studs | 3 studs | |
| | Set of 20: 20 bolts + 20 nuts + 20 contact washers, class 8.8. The screws slide into the profile and are then locked in the desired position. | | M8 set of 20 | | | M8 sold in lots of 20 for connection of ≤ 25 mm ² lugs to Linergy | 12 clip-on supports + N, L1, L2, L3, PE, PEN labels | Linergy LGYE busbars connection kit spare part | Set of 12 flat plates with 2 studs + 24 torque nuts + 24 contact washers. The plates slide along the profile. | Set of 8 flat plates with 3 studs + 24 torque nuts + 24 contact washers. The plates slide along the profile. | |

| M8 bolts | | |
|--------------------------------|--|---|
| |  DD380737.eps | |
| Linergy BS, 20 bolts class 8.8 | Characteristics | Set of 20 bolts + 20 nuts + 40 contact washers. |
| | Catalog numbers | LVS04782 |
| | M8 x 20 | LVS04783 |
| | M8 x 25 | LVS04784 |
| | M8 x 30 | LVS04785 |
| | M8 x 35 | LVS04786 |
| | M8 x 40 | LVS04787 |
| | M8 x 45 | LVS04788 |
| | M8 x 50 | LVS04788 |

| Torque nuts | | |
|-------------------|--|---|
| |  DD380735.eps | |
| 20 M8 torque nuts | Characteristics | Can be used to obtain the correct tightening torque (28 Nm) recommended by the manufacturer, without using a torque wrench. Torque nuts may be used for all electrical connections. |
| | Catalog numbers | LVS04759 |

| Voltage tap-offs | | |
|---|--|--|
| |  DD380736.eps | |
| 20 Voltage tap-offs M10 pour 2 clips 6.35 | Characteristics | For small lugs (on low-current cables or measurement tap-offs), insert a conducting washer (cat. no. LVS04775) between the busbar and the lug. |
| | Catalog numbers | LVS04229 |

★ Connections on Linergy LGYE & LGY

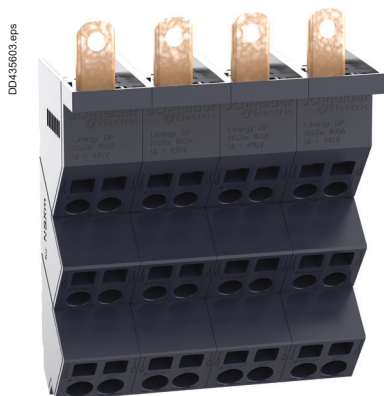
| InA (A) | | Connecting to Linergy LGYE |
|--------------|---------------------------------|--|
| 0 to 630 | Cable - Insulated flexible bars | 25 mm Linergy connection hardware used |
| 800 to 1250 | 5 mm bars | 25 mm Linergy connection hardware used |
| 1600 to 2500 | 5 mm or 10 mm bars | Use of the 2 studs flat plate |
| 3200 to 4000 | 10 mm bars | Use of the 3 studs flat plate |

Note: Jointing between 2 busbars (horizontal/vertical or horizontal/horizontal) must be mandatory done with studs plates.

Linergy DP

Quick distribution blocks - ComPacT NSXm up to 160 A

Distribution blocks



IEC 60947-7-1, IEC 61439-1 and 2

Description

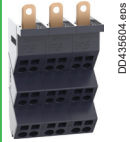
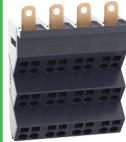
■ The Linergy DP quick distribution block is designed for installation directly downstream of ComPacT NSXm up to 160 A. It can also be clipped onto a modular rail.

Advantages

- It is quick to mount in the horizontal position. Electrical connections are made directly to the device terminals.
- It is the same width as the devices and does not take up any additional space in the switchboard.
- The connection terminals are slanted to facilitate cable entry and avoid exceeding the bending radius of the flexible and rigid cables.



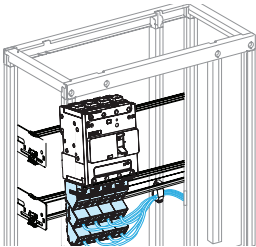
Quick distribution blocks for ComPacT devices

| Number of poles | 3P | 4P |
|---|---|---|
| |  |  |
| Rated operational current (Ie) | 160 A | 160 A |
| Rated peak withstand current (Ipk) | 20 kA | 20 kA |
| Rated short-time current (Icc) | 70 kA | 70 kA |
| Thermal stress (I².t) | 4.7 x 10⁶ A²S | 4.7 x 10⁶ A²S |
| Total connection capacity, outgoing terminals | 18 connections: 4 x 10²/phase 2 x 16²/phase | 24 connections: 4 x 10²/phase 2 x 16²/phase |
| Incomer terminals | 1 cable lug 70 mm² per pole | |
| Dimensions (H x W x D) | 140 X 81 X 58 mm | 140 X 108 X 58 mm |
| Installation | On mounting plate or DIN rail | |
| Product certifications | ASEFA | |
| Standard for installation inside PrismaSeT | IEC 61439-1-2 | |
| Glow-wire 60695-2-11 | 960 °C | |
| Catalogue numbers | LVS04038 | LVS04039 |

Technical Data

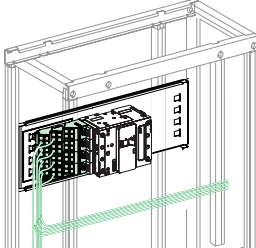
| Common characteristics | | |
|--|-----------------|--|
| Rated conditional short-circuit current of an assembly (Isc) | | The reinforced breaking capacity due to cascading in circuit-breaker combinations is maintained. The worst-case situations have been tested. |
| Rated insulation voltage (Ui) | 800 V AC | |
| Rated operational voltage (Ue) | 690 V AC | |
| Rated impulse withstand voltage (Uimp) | 8 kV | |
| Network frequency | 50/60 Hz | |
| Degree of protection | IPxxB | |
| Degree of pollution | 3 | |
| Overvoltage category | III | |
| Additional technical characteristics | | |
| Reference temperature | 40 °C | |
| Operating temperature | -25 °C to 55 °C | |

Installation



DD435606.eps

It can also be mounted downstream of vertically mounted **ComPacT NSXm** devices in the enclosures. In this case, the Linergy DP is mounted on a depth-adjustable modular rail.



DD435607.eps

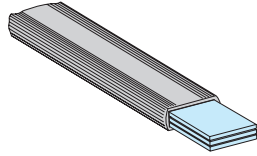
Directly on the mounting plates of horizontally mounted **ComPacT NSXm** devices in the enclosures.

For details on mounting plates, refer > [page C-23](#).

Note: Electrical characteristics > page C-85.

Insulated flexible bars

DC381659.eps



Secondary distribution

The insulated flexible bars are tested in a type-tested switchboard environment. Their design takes into account the switchboard architecture where they are often in close proximity to a protection device (circuit breaker or fuse) with significant heat losses.

The sizes for the flexible bars indicated below take into account the heat losses of Schneider Electric devices in a PrismaSeT switchboard.

Characteristics

| | |
|---|---------|
| Length | 1800 mm |
| Rated insulation voltage (Ui) | 1000 V |
| Maximum withstand temperature for the insulating material | 125 °C |

Connection between device and busbars

The flexible bars are determined taking into account the connected device, whatever the internal temperature of the switchboard.

The bar sizes indicated below take into account the derating curves of devices.

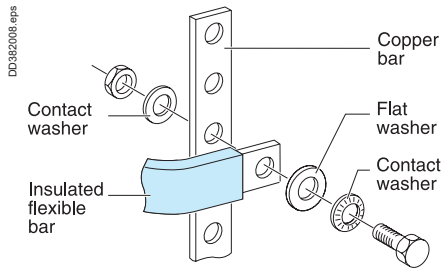
| Devices | Size (mm) | Catalogue number |
|------------|-----------------------|------------------|
| NSX100 | 20 x 2 | LVS04742 |
| NSX160/250 | 20 x 3 | LVS04743 |
| NSX400 | 32 x 5 | LVS04751 |
| NSX630 | 32 x 8 ⁽¹⁾ | LVS04753 |

⁽¹⁾ The insulated flexible bars is not compatible with Form 2 partitioning (LVS04922).

In this case, use the form 2 restoration kit [LVS04924](#) > page C-94.

Insulated flexible bars

Secondary distribution



Connection between busbars

Copper flexible bars are designed for connections between busbars taking into account the following characteristics:

- A maximum temperature of 60 °C inside the switchboard. This corresponds to the average temperature inside a switchboard for an ambient temperature of 35 °C.
- The maximum withstand temperature for the insulating material is 125 °C.

| le ⁽¹⁾ max | Size (mm) | Catalog numbers |
|-----------------------|-----------|-----------------|
| 200 A | 20 x 2 | LVS04742 |
| 250 A | 20 x 3 | LVS04743 |
| 400 A | 24 x 5 | LVS04746 |
| 520 A | 32 x 5 | LVS04751 |
| 580 A | 32 x 6 | LVS04752 |
| 660 A | 32 x 8 | LVS04753 |

(1) Rated operational current.

Designing connections

> page C-76.

C

Linerger DX

Quick distribution blocks

Distribution blocks



IEC 60947-7-1, IEC 61439-2

Description

- Downstream circuits are connected from the front, to spring terminals.
- Contact pressure automatically adapts to the size of the conductor.
- Contacts are insensitive to vibrations and thermal variations.
- Only one cable (flexible or rigid) can be inserted per terminal.



Quick distribution blocks

| Number of poles | 4P | |
|--|--|--|
| |  |  |
| Rated operational current at 40° (Ie) | 125 A | 160 A |
| Rated conditional short-circuit current of an assembly (Isc) | The reinforced breaking capacity due to cascading in circuit breaker combinations is maintained. The worst-case situations have been tested. 150 kA with upstream protection of 150 kA Icc | |
| Rated peak withstand current (Ipk) | 20 kA | 20 kA |
| Rated insulation voltage (Ui) | 750 V AC | 750 V AC |
| Rated operational voltage (Ue) | 690 V AC | 690 V AC |
| Rated impulse withstand voltage (Uimp) | 8 kV | 8 kV |
| Rated short-time current (Icc) | 150 kA | 150 kA |
| Thermal stress (I².t) | 2.025 x 10 ⁷ | 2.025 x 10 ⁷ |
| Rated operational frequency | 50/60 Hz | 50/60 Hz |
| Degree of protection | IPxxB | IPxxB |
| Incoming terminals | 1 tunnel terminal 35 ² /phase | Supplied with a prefabricated flexible connection equipped with tunnel terminals (for INS-INV100/160 use adaptor 28947 (3P) 28948 (4P)) |
| Total connection capacity, outgoing terminals | 52 connections: 7 x 4 ² /phase 3 x 6 ² /phase 2 x 10 ² /phase 1 x 16 ² /phase (screw terminal) | 52 connections: 7 x 4 ² /phase 3 x 6 ² /phase 2 x 10 ² /phase 1 x 16 ² /phase (screw terminal) |
| Dimensions (H x W x D) | 127 x 108 x 48 12 x 9 mm pitch | 127 x 108 x 48 12 x 9 mm pitch |
| Installation | Screwed to plain or slotted backplate or onto DIN rail | Screwed to plain or slotted backplate or onto DIN rail |
| Others | Possible to combine 2 terminal blocks (2 nd terminal block supplied from enclosed terminals in the 1 st , I _{max} of 2 nd terminal block: 80 A) | — |
| Standard for installation inside PrismaSeT | IEC 61439-2 | IEC 61439-2 |
| Glow-wire 60695-2-11 | 960 °C | 960 °C |
| Degree of pollution | 3 | 3 |
| Catalog numbers | LVS04045 | LVS04046 ⁽¹⁾ |

Accessories

| | | |
|-----------------|---|---|
| | 4 x 125 A flexible connections, L = 240 mm with 1 end fitting for tunnel terminals. | |
| Catalog numbers | LVS04047 ⁽¹⁾ | — |


Linerger DX

Quick distribution blocks

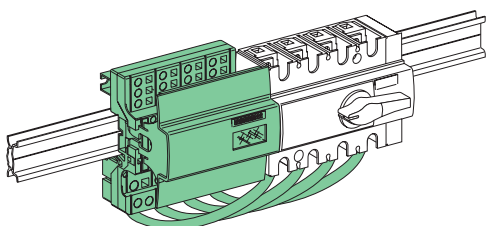
Distribution blocks

Advantages

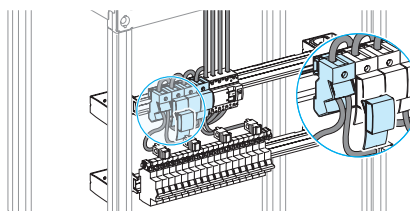
- A reliable electrical connection, no maintenance required (tightness guaranteed over time).
- Quick connection.
- Easy phase balancing.
- Ease of rewiring if the switchboard is expanded or modified.

| Quick distribution blocks | |
|--|--|
| Number of poles | 1P |
| |  |
| Rated operational current at 40° (Ie) | 160 A |
| Rated conditional short-circuit current of an assembly (Isc) | The reinforced breaking capacity due to cascading in circuit breaker combinations is maintained. The worst-case situations have been tested. 150 kA with upstream protection of 150 kA Icc |
| Rated peak withstand current (Ipk) | 24 kA |
| Rated insulation voltage (Ui) | 750 V AC |
| Rated operational voltage (Ue) | 690 V AC |
| Rated impulse withstand voltage (Uimp) | 8 kV |
| Rated short-time current (Icc) | 150 kA |
| Thermal stress (I².t) | 3.025 x 10 ⁷ |
| Rated operational frequency | 50/60 Hz |
| Degree of protection | IPxxB |
| Incoming terminals | 1 tunnel terminal 70 ² /phase |
| Total connection capacity, outgoing terminals | 6 connections: 6 x 16 ² /phase |
| Dimensions (H x W x D) | 95 x 36 x 70 4 x 9 mm pitch |
| Installation | Onto DIN rail |
| Others | — |
| Standard for installation inside PrismaSeT | IEC 61439-2 |
| Glow-wire 60695-2-11 | 960 °C |
| Degree of pollution | 3 |
| Catalog numbers | LVS04031 |
| Accessories | |
| | 4 x 160 A flexible connections, L = 380 mm with 2 x 45 mm ² end fittings for tunnel terminals. |
| Catalog numbers | LVS04149 |

PB502370-55-eps



D4338354-eps



Note: Electrical characteristics > page C-85.

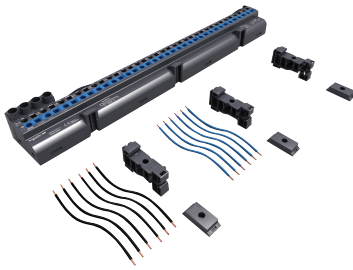
(1) To be adapted with reference 28947 and 28948 fir INS-INV160.

Linergy FM

Quick device feeders

Device feeders



PB104505-50.eps



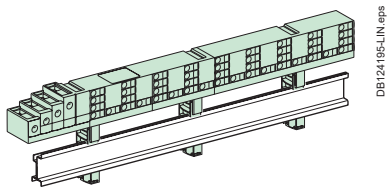
IEC60947-7-1, IEC61439-1 and 2 Description

- Distribution over full rows of modular devices.
- The distribution block is generally supplied by busbars in enclosures and cubicles.
- Easy phase balancing.
- Mix of devices and functions in the same row.
- Installation ≥ 160 A: clipped onto the back of a modular rail or screwed onto a solid or pre-slotted plate.

Distribution blocks

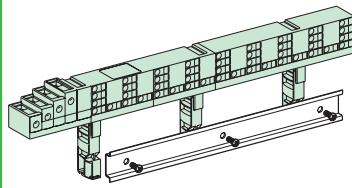
| Number of poles | 4P | 4P |
|---|--|---|
| |  |  |
| | 63 A | 80 A |
| Rated peak withstand current (I _{pk}) | 12 kA | 13 kA |
| Rated conditional short-circuit current of an assembly (I _{sc}) | The cascading reinforced breaking capacity when combining circuit breakers is maintained. The worst-case scenarios have been tested. The characteristics are exactly right for the connected devices. Circuit breakers and switches still have their temperature derating curves, and their whole performance is maintained. 150 kA | |
| Rated insulation voltage (U _i) | 500 V AC | 500 V AC |
| Rated voltage (U _e) | 440 V AC | 440 V AC |
| Rated impulse withstand voltage (U _{imp}) | 6 kV | 8 kV |
| Maximum current (I _{max}) | – | – |
| Rated operational frequency | 50/60 Hz | 50/60 Hz |
| Degree of protection | IPxxB | IPxxB |
| Supply at incoming terminals | Enclosed terminals for cables up to 25 mm ² | Enclosed terminals for cables up to 25 mm ² |
| Total connection capacity at outgoing terminals | Spring terminals for rigid or flexible cables: 4 for each phase (2 x 1 to 4 mm ² + 2 x 1 to 6 mm ²) 8 for the neutral (4 x 1 to 4 mm ² + 4 x 1 to 6 mm ²) | Spring terminals for rigid or flexible cables: 9 for each phase (2 x 6 mm ² + 7 x 4 mm ²) 17 for the neutral (4 x 6 mm ² + 13 x 4 mm ²) |
| Width | 24 9-mm pitches 12 18-mm modules | 48 9-mm pitches 24 18-mm modules |
| Composition | Stripped copper connections (L=100 mm) 10 x 4 mm ² + 6 x 6 mm ² | Stripped copper connections (L=105 mm) 6 mm ² (6 black) 4 mm ² (20 black) |
| Catalog numbers | LVS04008 | LVS04004 |

Installation



DB1241965-LIN.eps

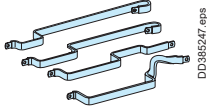
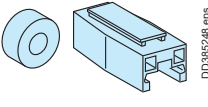
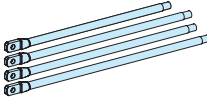
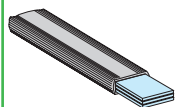
Clipped onto the back of a modular rail, or screw fixing.



DB1241965-LIN.eps

Clipped onto the back of a modular rail, or screw fixing.

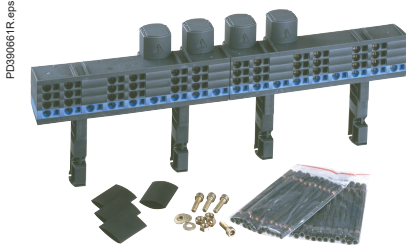
Connections to the device feeders






| | | | | |
|--------------------------|---|---|---|--|
| |  |  |  |  |
| | 4P 200 A connection (supplied with fixing accessories) | 4P 200 A connection (supplied with fixing accessories) | 4P 160 A connection for Linergy FM 1/2 row | 200 A connection (20 x 3) for Linergy FM |
| Allows power supply from | Multi-stage Linergy BS busbar | Rear Linergy BS busbar | Device | Device |
| Catalog numbers | LVS04024 | LVS04029 | LVS04030 | LVS04743 |

Linergy FM

Quick device feeders

Device feeders



| 4P | 2P | 3P | 4P | 4P |
|--|---|---|--|---|
|  |  |  |  |  |
| 160 A 20 kA | 200 A 20 kA | 200 A 20 kA | 200 A 20 kA | 200 A 20 kA |
| The cascading reinforced breaking capacity when combining circuit breakers is maintained. The worst-case scenarios have been tested. The characteristics are exactly right for the connected devices. Circuit breakers and switches still have their temperature derating curves, and their whole performance is maintained. | | | | |
| 750 V AC | 750 V AC | 750 V AC | 750 V AC | 750 V AC |
| 690 V AC | 690 V AC | 690 V AC | 690 V AC | 690 V AC |
| 8 kV | 8 kV | 8 kV | 8 kV | 8 kV |
| 50 A for feeder for 10 mm ² cable/63 A for feeder for two 10 mm ² cables | | | | |
| 50/60 Hz | | | | |
| IPxxB | | | | |
| Direct onto the row by cable 70 mm ² with crimped lug, or flexible bar 20 x 3 from busbar with prefabricated connection. | | | | |
| 6 connection points for each phase 9 connection points for the neutral | 12 connection points for each phase 18 connection points for the neutral | | 18 connection points for each phase 27 connection points for the neutral | |
| 24 9-mm pitches 12 18-mm modules | 48 9-mm pitches 24 18-mm modules | | 72 9-mm pitches 36 18-mm modules | |
| 2 sachets with 12 stripped copper connections 10 mm ² (L=100 mm) Protective covers for power supply rows (IPxxB) Fixing accessories for power supply rows | | | | |
| LVS04018 ⁽¹⁾ | LVS04012 ^{(1) (2)} | LVS04013 ⁽¹⁾ | LVS04014 ^{(1) (2)} | LVS04026 ⁽¹⁾ |

Spare parts

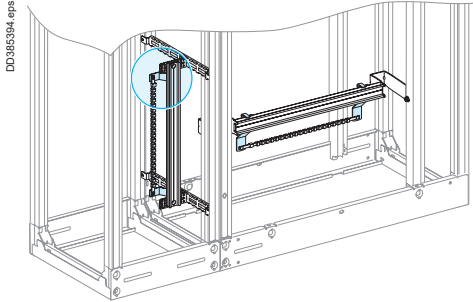
| | |
|---|---|
|  | |
| Catalog numbers | 4 covers for 160/200 A Linergy FM rows LVS01202 |

Note: Electrical characteristics > page C-85.

- (1) Cable to be used without ferrules.
- (2) The Linergy FM 200 (**LVS04012** and **LVS04014**) can be used with direct current. The upstream and downstream terminal type (⊕ and ⊖) must be marked on the device. For more information, please contact our customer services.

Linergy TB
Earth bars

Terminal blocks and lines

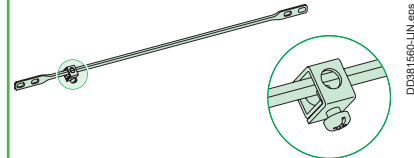


Description

This range of earth bars is installed:

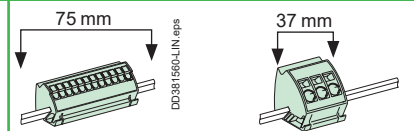
- In the duct which can constitute a dedicated area, completely separate from the equipment.
- Or in the switchgear compartment, at the top or the bottom.

Fast-connecting earth bar



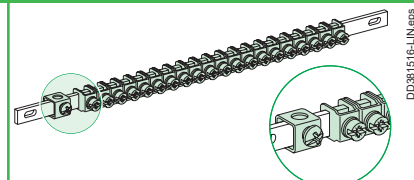
| | |
|--|---|
| | Copper earth bar |
| Cross-section (mm) | 12 x 3 |
| Effective length (mm) | 330 |
| Total length (mm) | 450 |
| Composition | Copper bar with 1 terminal 16 to 35 mm ² |
| Rated short time withstand current (Icw) | 9 kA rms/0.5 s |
| Catalog numbers | LVS04201 |

Accessories



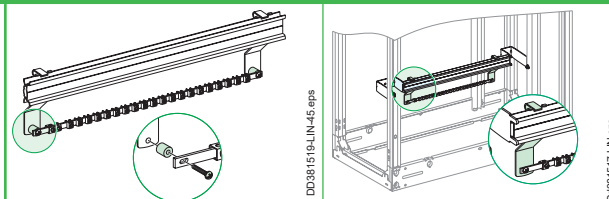
| | | |
|--|---|------------------------|
| | Earth blocks with terminals | |
| | Spring-fixing (clip onto the earth bar) | |
| Total connection capacity | 12 x 4 mm ² | 3 x 16 mm ² |
| Composition | 4 earth blocks | 4 earth blocks |
| Rated short time withstand current (Icw) | 1 kA rms/0.5 s | 4 kA rms/0.5 s |
| Catalog numbers | LVS04214 | LVS04215 |

Accessories



| | | |
|--|---|---|
| | Copper earth bar with jumper | |
| Total connection capacity | 40 x 2.5 to 16 mm ² | 20 x 2.5 to 16 mm ² |
| Cross-section (mm) | 12 x 3 | 12 x 3 |
| Length (mm) | 450 | 200 |
| Composition | 40 jumpers and a terminal (16 to 35 mm ²) | 20 jumpers and a terminal (16 to 35 mm ²) |
| Rated short time withstand current (Icw) | 9 kA rms/0.5 s | 9 kA rms/0.5 s |
| Catalog numbers | LVS04200 | LVS04202 |

Accessories



| | | |
|------------------------|--|--|
| | Neutral bar | Earth bar |
| | Converts an earth bar to a neutral bar | |
| Composition | 2 insulating spacers | 2 supports for earth bar on modular rail |
| Catalog numbers | LVS04210 | LVS04205 |

Linergy TB
PE conductors

Terminal blocks and lines

| PE conductors | | | | | | | | | |
|--------------------------------|---|--------------|----------|--|--|--|--|--|--|
| | | | | | | | | | |
| | Vertical PE conductor with Linergy LGY profile (W = 1670 mm) | | | Vertical PE conductor with Linergy BS busbar (W = 1675 mm) | | | Horizontal PE conductor with Linergy BS busbar | | |
| Rated short-time current (Isc) | ≤ 65 | > 65... ≤ 80 | = 100 | ≤ 40 | < 85 | ≤ 100 | ≤ 40 | < 85 | ≤ 100 |
| Permissible current (A) | 630 | 800 | 1250 | 400 | 600 | 800 | 400 | 600 | 800 |
| Bar size (mm) | – | – | – | 25 x 5 | 50 x 5 | 60 x 5 | 25 x 5 | 50 x 5 | 60 x 5 |
| Characteristics | – | – | – | Drilled flat bar Ø10.6 mm (one 10.6 mm hole every 25 mm along the entire length) | Drilled flat bar Ø10.6 mm (two 10.6 mm hole every 25 mm along the entire length) | Drilled flat bar Ø10.6 mm (two 10.6 mm hole every 25 mm along the entire length) | Drilled flat bar Ø10.6 mm (two 10.6 mm hole every 25 mm along the entire length) | Drilled flat bar Ø10.6 mm (two 10.6 mm hole every 25 mm along the entire length) | Drilled flat bar Ø10.6 mm (two 10.6 mm hole every 25 mm along the entire length) |
| Catalog numbers | LVS04502 | LVS04503 | LVS04505 | LVS04512 | LVS04515 | LVS04516 | LVS04512 | LVS04515 | LVS04516 |

| Support selection | | | |
|-------------------|---|---|-------------------------------------|
| Composition | Three supports for one vertical PE (supplied with PE marking) to secure to the framework. | Three supports for one vertical PE (supplied with PE marking) to secure to the framework. | Two supports for one horizontal PE. |
| Catalog numbers | LVS04657 | LVS04657 | LVS04667 |

| Connection between PE conductors | |
|----------------------------------|--|
| | |
| Composition | <p>Connection plates for horizontal/vertical PE bars 2 copper angle brackets</p> <p>Linergy connection hardware 20 M8 bolts (W = 25 mm) + 20 nuts + 20 contact washers for connection to cable lugs or flexible bars</p> |
| Catalog numbers | LVS04672 LVS04766 |

| PEN conductors | | |
|-----------------|--|---|
| | | |
| | Linergy TB PEN installation kit with LGY vertical profile | 1600 A connection 10 mm horizontal busbar with Linergy LGY profile |
| Catalog numbers | LVS04656 ⁽¹⁾ | LVS04636 |
| | | Linergy LGYE vertical connection 1600 A |
| Catalog numbers | | LVS04602 |

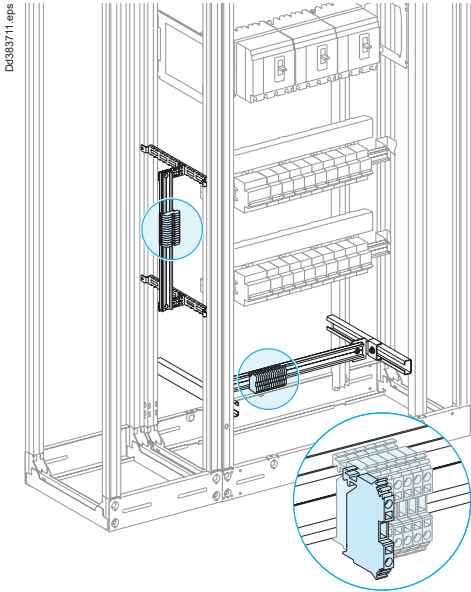
(1) For LGYE HBB, additional fish plate need to be manufactured as per the drawing supplied by Schneider Electric.

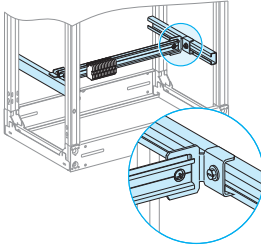
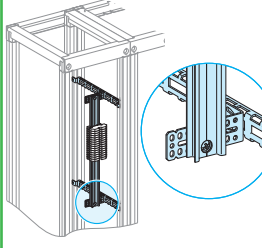
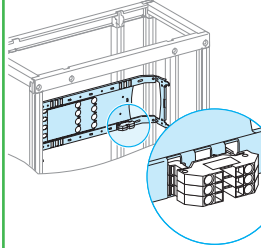
Linergy TB terminal block support

Secondary distribution

Introduction

In Prisma**SeT** P cubicles, terminal blocks are commonly installed in a lateral compartment, generally 300 or 400 mm wide. They may also be installed at the top or bottom of the cubicle.



| | Installation at top or bottom of a cubicle | Installation in a lateral compartment | Installation on a device mounting plate |
|---|---|---|--|
| |  |  |  |
| Modular rail, depth adjustable (W = 432 mm) | LVS03402 | – | – |
| 2 modular rails W = 1600 mm | LVS04226 | LVS04226 | – |
| 2 universal angle brackets | LVS03581 | LVS03581 | – |
| Set of two lateral cross-members W = 400 mm | LVS03584 | – | – |
| Characteristics | Terminal blocks are grouped on modular rails that can be depth adjusted behind a plain front plate. | The terminal block is generally installed in the cable compartment, W = 300 or 400 mm. The terminal blocks clip onto a modular rail. The rail is secured to cable-tie supports using universal angle brackets for precise positioning of the terminal blocks. | Terminal blocks can be directly installed on the mounting plates for horizontally mounted ComPacT NSX100/630 and vertically mounted ComPacT NS630b/1600 for connection of auxiliary wires. |

Width of standard terminal blocks

| | | | | |
|-----------------------------------|---|---|----|----|
| Max. cable CSA (mm ²) | 4 | 6 | 10 | 16 |
| Width of terminal block (mm) | 6 | 8 | 10 | 12 |

Height required in switchboard

| | | | | |
|-----------------------------------|-----------------|-----------------|-----------------|-----------------|
| Max. cable CSA (mm ²) | 4 | 6 | 10 | 16 |
| No. of vertical modules | 3 | 3 | 5 | 6 |
| Plain front plate | LVS03803 | LVS03803 | LVS03805 | LVS03806 |

Designing connection ≤ 630 A

Auxiliary connections

Electrical characteristics

| Device | Ambient temperature around the switchboard | | | | | | | | | | | |
|---|--|---------|--------------|---------|--------------|---------|--------------|---------|--------------|---------|--------------|---------|
| | 25°C | | 30°C | | 35°C | | 40°C | | 45°C | | 50°C | |
| | IP \leq 31 | IP > 31 | IP \leq 31 | IP > 31 | IP \leq 31 | IP > 31 | IP \leq 31 | IP > 31 | IP \leq 31 | IP > 31 | IP \leq 31 | IP > 31 |
| Rated current of a circuit I_{nc} (A) | | | | | | | | | | | | |
| Linergy DX | | | | | | | | | | | | |
| Quick distribution block Linergy DX 4P 125A | 134 | 125 | 129 | 120 | 125 | 116 | 120 | 111 | 116 | 106 | 111 | ■ |
| Quick distribution block Linergy DX 4P 160A | 171 | 160 | 166 | 154 | 160 | 148 | 154 | 142 | 148 | 135 | 142 | ■ |
| Quick distribution block Linergy DX 1P 1P 160A | 171 | 160 | 166 | 154 | 160 | 148 | 154 | 142 | 148 | 155 | 142 | ■ |
| Linergy DP | | | | | | | | | | | | |
| Quick distribution block Linergy DP 3P-4P 160A | 160 | 160 | 155 | 155 | 150 | 150 | 145 | 145 | 140 | 140 | 135 | ■ |
| Quick distribution block Linergy DP 3P-4P 250A | 267 | 250 | 259 | 241 | 250 | 231 | 241 | 222 | 231 | 211 | 222 | ■ |
| Linergy FM | | | | | | | | | | | | |
| Quick device feeders Linergy FM 4P 63A | 67 | 63 | 65 | 61 | 63 | 58 | 61 | 56 | 58 | 53 | 56 | ■ |
| Quick device feeders Linergy FM 4P 80A | 86 | 80 | 83 | 77 | 80 | 74 | 77 | 71 | 74 | 68 | 71 | ■ |
| Quick device feeders Linergy FM 4P 160A | 171 | 160 | 166 | 154 | 160 | 148 | 154 | 142 | 148 | 135 | 142 | ■ |
| Quick device feeders Linergy FM 2P 200A | 214 | 200 | 207 | 193 | 200 | 185 | 193 | 177 | 185 | 169 | 177 | ■ |
| Quick device feeders Linergy FM 3P 200A | 214 | 200 | 207 | 193 | 200 | 185 | 193 | 177 | 185 | 169 | 177 | ■ |
| Quick device feeders Linergy FM 4P 200A | 214 | 200 | 207 | 193 | 200 | 185 | 193 | 177 | 185 | 169 | 177 | ■ |
| Quick device feeders Linergy FM 4P 200A (36 modules) | 214 | 200 | 207 | 193 | 200 | 185 | 193 | 177 | 185 | 169 | 177 | ■ |




■ Check the concordance between Linergy derating value and upstream protection device derating value.

Linergy TR

Terminal blocks

Secondary distribution



| | | | Connection technology | | | |
|---------------------------------|---------------------------------------|---------------|---|--|---|------------------------------------|
| Type of terminal block | Cross section area | Color | Screw tech  | Spring tech  | Push-in tech  | Miniature screw for 15 mm DIN rail |
| Passthrough | 2.5 mm ² (2 pts) | Grey | NSYTRV22 | NSYTRR22 | NSYTRP22 | NSYTRV22M |
| | | Blue | NSYTRV22BL | NSYTRR22BL | NSYTRP22BL | NSYTRV22MBL |
| | | Orange | NSYTRV22AR | – | NSYTRP22AR | – |
| | 2.5 mm ² (3 pts) | Grey | – | NSYTRR23 | NSYTRP23 | – |
| | | Blue | – | NSYTRR23BL | NSYTRP23BL | – |
| | | Orange | – | – | NSYTRP23AR | – |
| | 2.5 mm ² (4 pts) | Grey | – | NSYTRR24 | NSYTRP24 | – |
| | | Blue | – | NSYTRR24BL | NSYTRP24BL | – |
| | 2.5 mm ² (4 pts, 2 levels) | Grey | NSYTRV24D | NSYTRR24D | NSYTRP24D | – |
| | | Blue | NSYTRV24DBL | – | NSYTRP24DBL | – |
| | 2.5 mm ² (6 pts, 3 levels) | Grey | NSYTRV26T | NSYTRR26T | NSYTRP26T | – |
| | | Blue | – | – | – | – |
| | 4 mm ² (2 pts) | Grey | NSYTRV42 | NSYTRR42 | NSYTRP42 | NSYTRV42M |
| | | Blue | NSYTRV42BL | NSYTRR42BL | NSYTRP42BL | NSYTRV42MBL |
| | | Orange | NSYTRV42AR | – | – | – |
| | 4 mm ² (3 pts) | Grey | NSYTRV43 | NSYTRR43 | NSYTRP43 | – |
| | | Blue | NSYTRV43BL | – | NSYTRP43BL | – |
| | 4 mm ² (4 pts) | Grey | NSYTRV44 | NSYTRR44 | NSYTRP44 | – |
| | | Blue | NSYTRV44BL | – | NSYTRP44BL | – |
| | 4 mm ² (4 pts, 2 levels) | Grey | NSYTRV44D | NSYTRR44D | NSYTRP44D | – |
| | | Blue | NSYTRV44DBL | NSYTRR44DBL | NSYTRP44DBL | – |
| | 6 mm ² (2 pts) | Grey | NSYTRV62 | NSYTRR62 | NSYTRP62 | – |
| | | Blue | NSYTRV62BL | NSYTRR62BL | NSYTRP62BL | – |
| | 6 mm ² (3 pts) | Grey | – | – | NSYTRP63 | – |
| Blue | | – | – | – | – | |
| 10 mm ² (2 pts) | Grey | NSYTRV102 | NSYTRR102 | NSYTRP102 | – | |
| | Blue | NSYTRV102BL | NSYTRR102BL | NSYTRP102BL | – | |
| 16 mm ² (2 pts) | Grey | NSYTRV162 | NSYTRR162 | NSYTRP162 | – | |
| | Blue | NSYTRV162BL | NSYTRR162BL | NSYTRP162BL | – | |
| Earth protection | 2.5 mm ² (2 pts) | Green/Yellow | NSYTRV22PE | NSYTRR22PE | NSYTRP22PE | NSYTRV22MPE |
| | 2.5 mm ² (3 pts) | Green/Yellow | – | NSYTRR23PE | NSYTRP23PE | – |
| | 2.5 mm ² (4 pts) | Green/Yellow | – | NSYTRR24PE | NSYTRP24PE | – |
| | 4 mm ² (2 pts) | Green/Yellow | NSYTRV42PE | NSYTRR42PE | NSYTRP42PE | NSYTRV42MPE |
| | 4 mm ² (3 pts) | Green/Yellow | NSYTRV43PE | – | NSYTRP43PE | – |
| | 4 mm ² (4 pts) | Green/Yellow | NSYTRV44PE | NSYTRR44PE | NSYTRP44PE | – |
| | 4 mm ² (4 pts, 2 levels) | Green/Yellow | – | – | NSYTRP44DPE | – |
| | 6 mm ² (2 pts) | Green/Yellow | NSYTRV62PE | NSYTRR62PE | NSYTRP62PE | – |
| | 10 mm ² (2 pts) | Green/Yellow | NSYTRV102PE | NSYTRR102PE | NSYTRP102PE | – |
| | 16 mm ² (2 pts) | Green/Yellow | NSYTRV162PE | NSYTRR162PE | NSYTRP162PE | – |
| Knife Disconnect | 2.5 mm ² (2 pts) | Grey | NSYTRV22SC | NSYTRR22SC | NSYTRP22SC | – |
| | | Orange | NSYTRV22ST ⁽¹⁾ | – | – | – |
| | 2.5 mm ² (3 pts) | Grey | – | NSYTRR23SC | NSYTRP23SC | – |
| | | Orange | – | – | – | – |
| 2.5 mm ² (2 levels) | Grey | – | – | – | – | |
| Fuse Disconnect | 4 mm ² (2 pts) | Black | NSYTRV42SF5 | – | – | – |
| | 5 x 20 mm fuse | Black (12 V) | NSYTRV42SF5LD ⁽²⁾ | – | – | – |
| | | Black (230 V) | NSYTRV42SF5LA ⁽²⁾ | – | – | – |
| Basic Disconnect ⁽³⁾ | 4 mm ² (2 pts) | Grey | NSYTRV42TB | – | NSYTRP42TB | – |
| | 2.5 mm ² (2 pts) | Grey | – | – | NSYTRP23TB | – |
| Measuring transducer | 6 mm ² (2 pts) Disconnect | Grey | NSYTRV62TTD | – | – | – |
| | | Grey | NSYTRV62TT | – | – | – |
| | 6 mm ² (2 pts) | Green/Yellow | NSYTRV62TTPE | – | – | – |

* Grey terminal with flange.

⁽¹⁾ Grey disconnect terminal with 2 test points.⁽²⁾ With light indicator.⁽³⁾ Fuse or component carrier not supplied.

Linergy TR
Terminal blocks

Secondary distribution



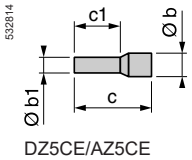
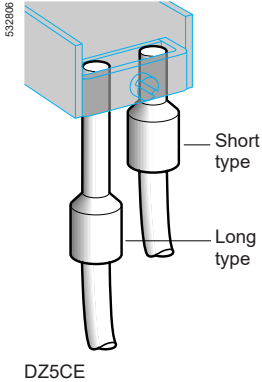
| Accessories | | | | | |
|-------------|-------------------------|--------------------------|---------------------------|----------------|------------------------------|
| | End plate for screw TBs | End plate for spring TBs | End plate for push-in TBs | Plug-in bridge | Marking strips 10 characters |
| | NSYTRAC22 | NSYTRACR22 | NSYTRACR22 | NSYTRAL22 | NSYTRABF510 |
| | NSYTRAC22BL | - | - | NSYTRAL23 | NSYTRABF520 |
| | - | - | - | NSYTRAL24 | NSYTRABF530 |
| | NSYTRAC23 | NSYTRACR23 | NSYTRACR23 | NSYTRAL25 | NSYTRABF540 |
| | - | - | - | NSYTRAL210 | NSYTRABF550 |
| | - | - | - | NSYTRAL210BL | |
| | NSYTRAC24 | NSYTRACR24 | NSYTRACR24 | NSYTRAL210GR | |
| | - | - | - | NSYTRAL220 | |
| | NSYTRACE24 | NSYTRACRE24 | NSYTRACRE24 | | |
| | - | - | - | | |
| | NSYTRACE26 | - | NSYTRACPE26 | | |
| | - | - | - | | |
| | NSYTRAC22 | NSYTRACR42 | NSYTRACR42 | NSYTRAL42 | NSYTRAB610 |
| | NSYTRAC22BL | - | - | NSYTRAL43 | NSYTRAB620 |
| | - | - | - | NSYTRAL44 | NSYTRAB630 |
| | NSYTRAC23 | NSYTRACR43 | NSYTRACP43 | NSYTRAL45 | NSYTRAB640 |
| | - | - | - | NSYTRAL410 | NSYTRAB690 |
| | NSYTRAC24 | NSYTRACR44 | NSYTRACP44 | NSYTRAL410BL | NSYTRAB6100 |
| | - | - | - | NSYTRAL410GR | NSYTRAB61100 |
| | NSYTRACE24 | NSYTRACRE44 | NSYTRACPE44 | NSYTRAL420 | |
| | - | - | - | | |
| | NSYTRAC22 | NSYTRACR62 | NSYTRACP62 | NSYTRAL62 | |
| | NSYTRAC22BL | - | - | | |
| | - | - | NSYTRACP63 | | |
| | - | - | - | | |
| | NSYTRAC22 | NSYTRACR102 | NSYTRACP102 | NSYTRAL102 | |
| | NSYTRAC22BL | - | - | | |
| | NSYTRAC162 | NSYTRACR162 | NSYTRACP162 | NSYTRAL162 | |
| | - | - | - | | |
| | NSYTRAC22 | NSYTRACR22 | NSYTRACR22 | | |
| | NSYTRAC23 | NSYTRACR23 | NSYTRACR23 | | |
| | NSYTRAC24 | NSYTRACR24 | NSYTRACR24 | | |
| | NSYTRAC22 | NSYTRACR42 | NSYTRACR42 | | |
| | NSYTRAC23 | NSYTRACR43 | NSYTRACP43 | | |
| | NSYTRAC24 | NSYTRACR44 | NSYTRACP44 | | |
| | - | - | NSYTRACPE44 | | |
| | NSYTRAC22 | NSYTRACR62 | NSYTRACP62 | | |
| | NSYTRAC22 | NSYTRACR102 | NSYTRACP102 | | |
| | NSYTRAC162 | NSYTRACR162 | NSYTRACP162 | | |
| | NSYTRAC23 | NSYTRACR23 | NSYTRACPK22 | | |
| | NSYTRAC23 | - | - | | |
| | - | NSYTRACR24 | NSYTRACPK23 | | |
| | - | - | - | | |
| | - | Included | - | | |
| | Included | - | - | | |
| | Included | - | - | | |
| | Included | - | - | | |
| | Included | Included | NSYTRACR42 | | |
| | - | - | NSYTRACPK23 | | |
| | NSYTRACT22 | - | - | | |
| | NSYTRACT22 | - | - | | |
| | NSYTRACT22 | - | - | | |



Linergy cable ends

Mounting and cabling accessories

Conforming to standard NF C 63-023 or DIN 46228-4



| Single conductor cable ends (Packed in individual bags or strings of bags) | | | | | | | | | | | |
|--|-----|--------|------------|------|----|----|-----------------|----------------------------|--------|----------------------------|-------|
| Conductor c.s.a. | | Type | Dimensions | | | | Sold in lots of | Unit reference NF C 63-023 | | Unit reference DIN 46228-4 | |
| mm ² | AWG | | Ø b | Ø b1 | c | c1 | | Reference | color | Reference | color |
| 0.25 | 26 | Short | 2.3 | 1.1 | 10 | 6 | 10 x 100 | DZ5CE002L6 | Yellow | | |
| | | Medium | 2.3 | 1.1 | 12 | 8 | 10 x 100 | DZ5CE002 | | | |
| 0.34 | 24 | Short | 2.5 | 1.1 | 10 | 6 | 10 x 100 | DZ5CE003L6 | Green | | |
| | | Medium | 2.5 | 1.1 | 12 | 8 | 10 x 100 | DZ5CE003 | | | |
| 0.5 | 22 | Short | 3.1 | 1.3 | 12 | 6 | 10 x 100 | DZ5CE005L6 ⁽¹⁾ | White | - | |
| | | Medium | 3.1 | 1.3 | 14 | 8 | 10 x 100 | DZ5CE005 ⁽¹⁾ | | | |
| | | - | - | - | - | - | - | - | | | |
| 0.75 | 20 | Short | 3.3 | 1.5 | 12 | 6 | 10 x 100 | DZ5CE007L6 ⁽¹⁾ | Blue | - | |
| | | Medium | 3.3 | 1.5 | 14 | 8 | 10 x 100 | DZ5CE007 ⁽¹⁾ | | | |
| 1 | 18 | Short | 3.5 | 1.7 | 12 | 6 | 10 x 100 | DZ5CE010L6 ⁽¹⁾ | Red | - | |
| | | Medium | 3.5 | 1.7 | 14 | 8 | 10 x 100 | DZ5CE010 ⁽¹⁾ | | | |
| | | Long | 3.5 | 1.7 | 18 | 12 | 10 x 100 | DZ5CE010L12 ⁽¹⁾ | | | |
| 1.5 | 16 | Short | 4 | 2 | 12 | 6 | 10 x 100 | DZ5CE015L6 ⁽¹⁾ | Black | - | |
| | | Medium | 4 | 2 | 14 | 8 | 10 x 100 | DZ5CE015 ⁽¹⁾ | | | |
| | | Long | 4 | 2 | 24 | 18 | 10 x 100 | DZ5CE0153 ⁽¹⁾ | | | |
| 2 | 14 | Medium | 4.2 | 2.2 | 14 | 8 | 10 x 100 | DZ5CE020 | Yellow | - | |
| 2.5 | 14 | Medium | 4.7 | 2.5 | 14 | 8 | 10 x 100 | DZ5CE025 ⁽¹⁾ | Grey | - | |
| | | Long | 4.7 | 2.5 | 24 | 18 | 10 x 100 | DZ5CE0253 ⁽¹⁾ | | | |
| 4 | 12 | Medium | 5.4 | 3.2 | 17 | 10 | 10 x 100 | DZ5CE042 ⁽¹⁾ | Orange | - | |
| | | Long | 5.4 | 3.2 | 26 | 18 | 10 x 100 | DZ5CE043 ⁽¹⁾ | | | |
| 6 | 10 | Medium | 6.9 | 3.9 | 20 | 12 | 1 x 100 | DZ5CE062 ⁽¹⁾ | Green | - | |
| | | Long | 6.9 | 3.9 | 26 | 18 | 1 x 100 | DZ5CE063 ⁽¹⁾ | | | |
| 10 | 8 | Medium | 8.4 | 4.9 | 22 | 12 | 1 x 100 | DZ5CE102 ⁽¹⁾ | Brown | - | |
| | | Long | 8.4 | 4.9 | 28 | 18 | 1 x 100 | DZ5CE103 ⁽¹⁾ | | | |
| 16 | 6 | Medium | 9.6 | 6.2 | 24 | 12 | 1 x 100 | DZ5CE162 ⁽¹⁾ | White | - | |
| | | Long | 9.6 | 6.2 | 28 | 18 | 1 x 100 | DZ5CE163 ⁽¹⁾ | | | |
| 25 | 4 | Medium | 12 | 7.7 | 30 | 18 | 1 x 50 | DZ5CE252 ⁽¹⁾ | Black | - | |
| | | Long | 12 | 7.7 | 36 | 22 | 1 x 50 | DZ5CE253 ⁽¹⁾ | | | |
| 35 | 2 | Medium | 13.5 | 8.7 | 30 | 16 | 1 x 50 | DZ5CE352 ⁽¹⁾ | Red | - | |
| | | Long | 13.5 | 8.7 | 39 | 25 | 1 x 50 | DZ5CE353 ⁽¹⁾ | | | |
| 50 | 0 | Medium | 16 | 11 | 36 | 20 | 1 x 50 | DZ5CE502 ⁽¹⁾ | Blue | - | Blue |

| Single conductor cable ends (Packed in dispenser pack) | | | | | | | | | | | |
|--|----|--------|-----|-----|----|---|---------|-------------------------|-------|--------------------------|-------|
| 0.5 | 22 | Medium | 3.1 | 1.3 | 14 | 8 | 5 x 200 | AZ5CE005 ⁽¹⁾ | White | AZ5CE005D ⁽¹⁾ | White |
| 0.75 | 20 | Medium | 3.3 | 1.5 | 14 | 8 | 5 x 200 | AZ5CE007 ⁽¹⁾ | Blue | AZ5CE007D ⁽¹⁾ | Grey |
| 1 | 18 | Medium | 3.5 | 1.7 | 14 | 8 | 5 x 200 | AZ5CE010 ⁽¹⁾ | Red | AZ5CE010D ⁽¹⁾ | Red |
| 1.5 | 16 | Medium | 4 | 2 | 14 | 8 | 5 x 200 | AZ5CE015 ⁽¹⁾ | Black | AZ5CE015D ⁽¹⁾ | Black |
| 2.5 | 14 | Medium | 4.7 | 2.5 | 14 | 8 | 5 x 200 | AZ5CE025 ⁽¹⁾ | Grey | AZ5CE025D ⁽¹⁾ | Blue |

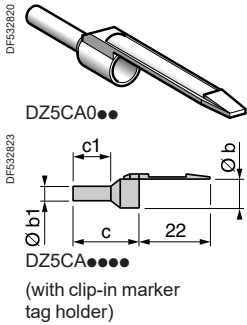
| Single conductor cable ends (Strips of 50 packed in bag) | | | | | | | | | | | |
|--|----|--------|-----|-----|----|---|---------|--------------------------|-------|---------------------------|-------|
| 0.5 | 22 | Medium | 3.1 | 1.3 | 14 | 8 | 10 x 50 | DZ5CEB005 ⁽¹⁾ | White | DZ5CEB005D ⁽¹⁾ | White |
| 0.75 | 20 | Medium | 3.3 | 1.5 | 14 | 8 | 10 x 50 | DZ5CEB007 ⁽¹⁾ | Blue | DZ5CEB007D ⁽¹⁾ | Grey |
| 1 | 18 | Medium | 3.5 | 1.7 | 14 | 8 | 10 x 50 | DZ5CEB010 ⁽¹⁾ | Red | DZ5CEB010D ⁽¹⁾ | Red |
| 1.5 | 16 | Medium | 4 | 2 | 14 | 8 | 10 x 50 | DZ5CEB015 ⁽¹⁾ | Black | DZ5CEB015D ⁽¹⁾ | Black |
| 2.5 | 14 | Medium | 4.7 | 2.5 | 14 | 8 | 10 x 50 | DZ5CEB025 ⁽¹⁾ | Grey | DZ5CEB025D ⁽¹⁾ | Blue |

(1) UL certified products.

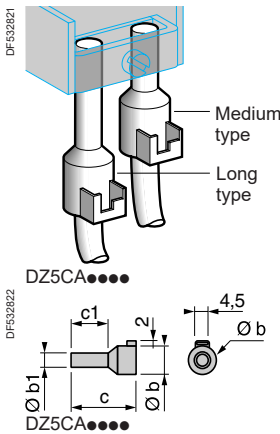
Linergy cable ends

Mounting and cabling accessories

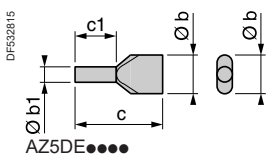
Conforming to standard NF C 63-023 or DIN 46228-4



| Single conductor markable cable ends (Packed in strings of bags) | | | | | | | | | | | |
|--|-----|--------|------------|------|----|----|-----------------|----------------------------|--------|----------------------------|-------|
| Conductor c.s.a. | | Type | Dimensions | | | | Sold in lots of | Unit reference NF C 63-023 | | Unit reference DIN 46228-4 | |
| mm ² | AWG | | Ø b | Ø b1 | c | c1 | | Reference | color | Reference | color |
| 0.25 | 26 | Medium | 2.3 | 1.1 | 12 | 8 | 10 x 100 | DZ5CA002 | Yellow | | |
| 0.34 | 24 | Medium | 2.5 | 1.1 | 12 | 8 | 10 x 100 | DZ5CA003 | Green | | |
| 0.5 | 22 | Medium | 3.1 | 1.3 | 14 | 8 | 10 x 100 | DZ5CA005 ⁽¹⁾ | White | DZ5CA005D ⁽¹⁾ | White |
| 0.75 | 20 | Medium | 3.3 | 1.5 | 14 | 8 | 10 x 100 | DZ5CA007 ⁽¹⁾ | Blue | DZ5CA007D ⁽¹⁾ | Grey |
| 1 | 18 | Medium | 3.5 | 1.7 | 14 | 8 | 10 x 100 | DZ5CA010 ⁽¹⁾ | Red | DZ5CA010D ⁽¹⁾ | Red |
| 1.5 | 16 | Medium | 4 | 2 | 14 | 8 | 10 x 100 | DZ5CA015 ⁽¹⁾ | Black | DZ5CA015D ⁽¹⁾ | Black |
| 2.5 | 14 | Medium | 4.7 | 2.5 | 14 | 8 | 10 x 100 | DZ5CA025 ⁽¹⁾ | Grey | DZ5CA025D ⁽¹⁾ | Blue |

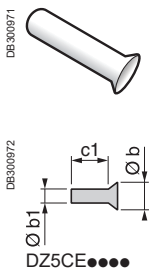


| Single conductor cable ends with facility for clip-in marker tag holder | | | | | | | | | | | |
|---|----|--------|------|-----|----|----|----------|-------------------------|--------|--------------------------|--------|
| 4 | 12 | Medium | 5.4 | 3.2 | 20 | 12 | 10 x 100 | DZ5CA042 ⁽¹⁾ | Orange | DZ5CA042D ⁽¹⁾ | Grey |
| | | Long | 5.4 | 3.2 | 26 | 18 | 10 x 100 | DZ5CA043 ⁽¹⁾ | | - | |
| 6 | 10 | Medium | 6.9 | 3.9 | 20 | 12 | 1 x 100 | DZ5CA062 | Green | DZ5CA062D | Yellow |
| | | Long | 6.9 | 3.9 | 26 | 18 | 1 x 100 | DZ5CA063 | | - | |
| 10 | 8 | Medium | 8.4 | 4.9 | 22 | 12 | 1 x 100 | DZ5CA102 | Brown | DZ5CA102D | Red |
| | | Long | 8.4 | 4.9 | 28 | 18 | 1 x 100 | DZ5CA103 | | - | |
| 16 | 6 | Medium | 9.6 | 6.2 | 24 | 12 | 1 x 100 | DZ5CA162 | White | DZ5CA162D | Blue |
| | | Long | 9.6 | 6.2 | 28 | 18 | 1 x 100 | DZ5CA163 | | - | |
| 25 | 4 | Medium | 12 | 7.7 | 30 | 18 | 1 x 100 | DZ5CA253 | Black | DZ5CA253D | Yellow |
| | | Long | 13.5 | 8.7 | 39 | 25 | 1 x 20 | DZ5CA353 | | - | |
| 35 | 2 | Medium | 13.5 | 8.7 | 30 | 16 | 1 x 20 | DZ5CA352 | Red | DZ5CA352D | Red |
| | | Long | 13.5 | 8.7 | 39 | 25 | 1 x 20 | DZ5CA353 | | - | |
| 50 | 0 | Medium | 16 | 11 | 36 | 20 | 1 x 20 | DZ5CA502 | Blue | DZ5CA502D | Blue |
| | | Long | 16 | 11 | 40 | 25 | 1 x 20 | DZ5CA503 | | - | |



| Twin conductor cable ends (in dispenser pack) | | | | | | | | | | | |
|---|----|--------|---------|------|------|----|---------|-------------------------|-------|--------------------------|-------|
| 2 x 0.75 | 20 | Medium | 2.8x5 | 2 | 15 | 8 | 5 x 100 | AZ5DE007 ⁽²⁾ | Blue | AZ5DE007D ⁽¹⁾ | Grey |
| 2 x 1 | 18 | Medium | 3.4x5.4 | 2.25 | 15 | 8 | 5 x 100 | AZ5DE010 ⁽²⁾ | Red | AZ5DE010D ⁽¹⁾ | Red |
| 2 x 1.5 | 16 | Medium | 3.6x6.6 | 2.5 | 15 | 8 | 5 x 100 | AZ5DE015 ⁽²⁾ | Black | AZ5DE015D ⁽¹⁾ | Black |
| 2 x 2.5 | 14 | Medium | 4.2x7.8 | 3.2 | 18.5 | 10 | 5 x 50 | AZ5DE025 ⁽²⁾ | Grey | AZ5DE025D ⁽¹⁾ | Blue |

| Twin conductor cable ends (packed in 1 plastic bag) | | | | | | | | | | | |
|---|----|--------|---------|------|------|----|----------|-------------------------|-------|--|--|
| 2 x 0.5 | 22 | Medium | 2.5x4.7 | 1.7 | 15 | 8 | 1 x 1000 | AZ5DE005 ⁽²⁾ | White | | |
| 2 x 0.75 | 20 | Medium | 2.8x5 | 2 | 15 | 8 | 1 x 1000 | AZ5DE007 ⁽²⁾ | Blue | | |
| 2 x 1 | 18 | Medium | 3.4x5.4 | 2.25 | 15 | 8 | 1 x 1000 | AZ5DE010 ⁽²⁾ | Red | | |
| 2 x 1.5 | 16 | Medium | 3.6x6.6 | 2.5 | 15 | 8 | 1 x 1000 | AZ5DE015 ⁽²⁾ | Black | | |
| 2 x 2.5 | 14 | Medium | 4.2x7.8 | 3.2 | 18.5 | 10 | 1 x 500 | AZ5DE025 ⁽²⁾ | Grey | | |



| Single conductor uninsulated cable ends | | | | | | | | | | | |
|---|-----|--------|------------|------|----|----|-----------------|----------------------------|--|--|--|
| Conductor c.s.a. | | Type | Dimensions | | | | Sold in lots of | Unit reference DIN 46228-1 | | | |
| mm ² | AWG | | Ø b | Ø b1 | c | c1 | | Reference | | | |
| 0.75 | 20 | Medium | 2.3 | 1.2 | -- | 8 | 10 x 100 | DZ5CE007N | | | |
| 1 | 18 | Medium | 2.5 | 1.4 | -- | 8 | 10 x 100 | DZ5CE010N | | | |
| 1.5 | 16 | Medium | 2.8 | 1.7 | -- | 8 | 10 x 100 | DZ5CE015N | | | |
| 2.5 | 14 | Medium | 3.4 | 2.2 | -- | 10 | 10 x 100 | DZ5CE025N | | | |
| 4 | 12 | Medium | 4 | 2.8 | -- | 12 | 1 x 100 | DZ5CE040 | | | |
| | | Long | 4.7 | 3.5 | -- | 18 | 1 x 100 | DZ5CE060L | | | |
| 6 | 10 | Medium | 4.7 | 3.5 | -- | 12 | 1 x 100 | DZ5CE060 | | | |
| | | Long | 4.7 | 3.5 | -- | 18 | 1 x 100 | DZ5CE060L | | | |
| 10 | 8 | Medium | 5.8 | 4.5 | -- | 18 | 1 x 100 | DZ5CE100 | | | |
| 16 | 6 | Medium | 7.5 | 5.8 | -- | 18 | 1 x 100 | DZ5CE160 | | | |

(1) UL certified products.
(2) cCSAs certified products.

Functional Partitioning

Main distribution

| | |
|---------------------------|-------------|
| Forms partitioning | |
| Presentation | C-92 |
| Partitioning | C-93 |
| Other partitions | C-97 |

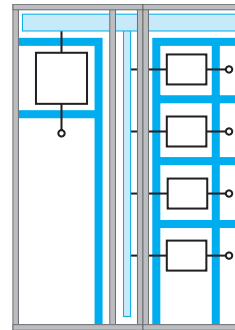
Forms partitioning

Presentation

What are the forms?

- The forms are metal partitions or molded material, removable by using tools or keys, which ensure the protection of operators against direct contact with power conductors when working on low voltage switchboards.
- They also protect internal elements of the switchboard against external aggressions (dust, pests, water ...).
- These forms are graduated from 1 to 4, with indices "a" or "b". Their use contributes to the level of service continuity required by the user.
- Forms have a cumulative effect (a higher form integrates the characteristics of the forms that precede it).
- The choice of a form is the subject to an agreement between the manufacturer and the user.
- The electrical panel must comply with the degree of protection IP 2X, according to standard IEC 61439-1 & 2.

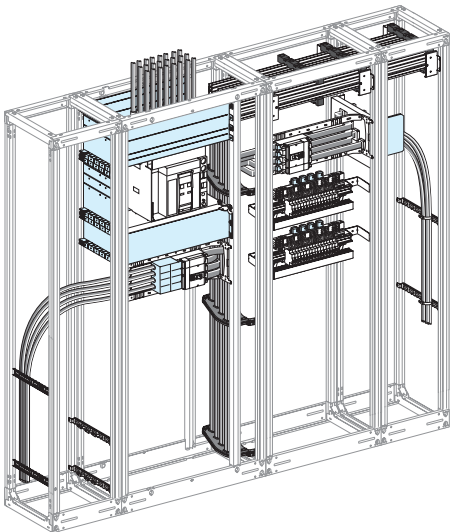
Form 4b



PrismaSeT P 690 V AC requires Form 4b.

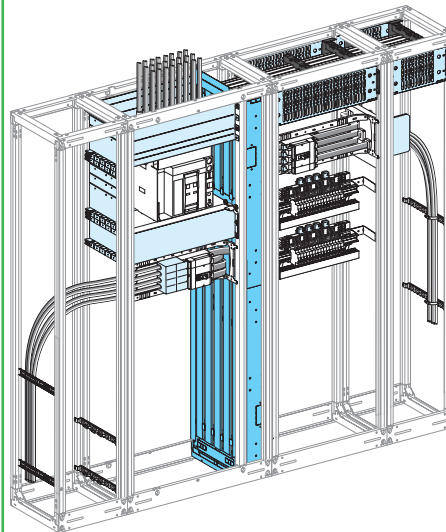
Form 1

No internal separation



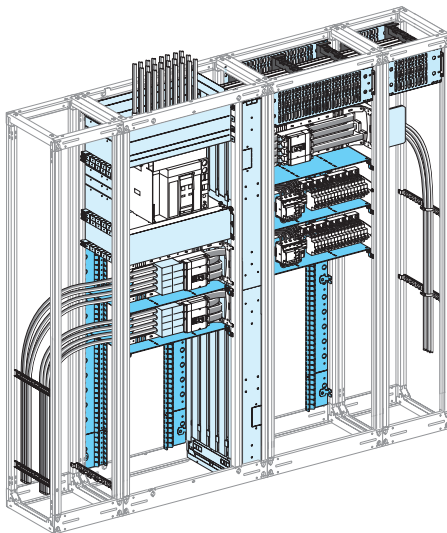
Form 2

Separation between horizontal busbars, vertical busbars, and functional units



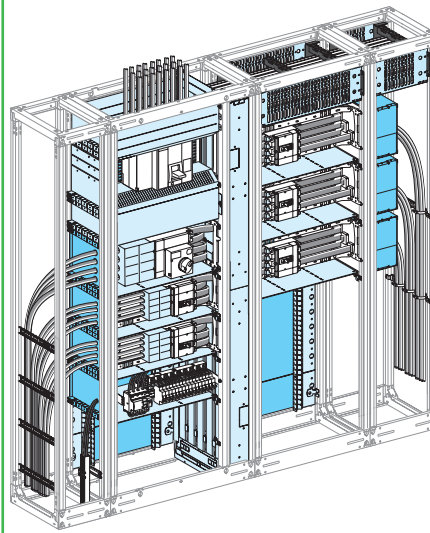
Form 3

Form 2 + separation of functional units from one another



Form 4

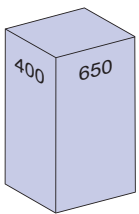
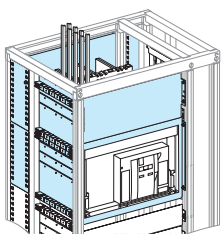
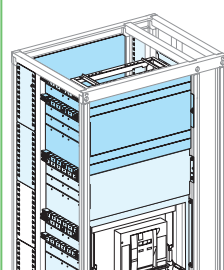
Form 3 + separation of the terminals of the functional units from one another



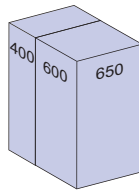
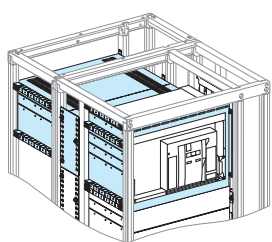
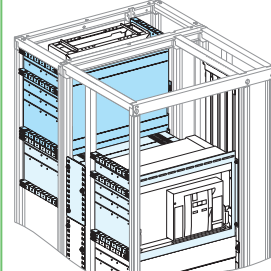
Partitioning

Covering the supply terminals on the incoming device

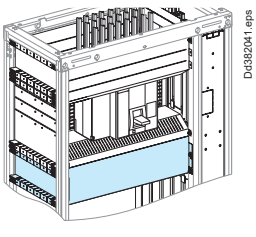
Main distribution

| | Front connection with cables | Canalis front connection |
|--|--|---|
|  <p>MTZ2 Only</p> |  <p>Dat382019.eps</p> |  <p>Dat382020.eps</p> |
| Devices | Withdrawable device MasterPact MTZ2 | Withdrawable device MasterPact MTZ2 |
| Cover | LVS04861 | LVS04861 |
| Canalis additional cover | - | LVS04871 |



| | Rear connection with cables | Canalis rear connection |
|---|---|--|
|  <p>MTZ2 Only</p> |  <p>Dat382021.eps</p> |  <p>Dat382022.eps</p> |
| Devices | Withdrawable device MasterPact MTZ2 | Withdrawable device MasterPact MTZ2 |
| Cover | LVS04863 | LVS04863 |
| Canalis additional cover | - | LVS04871 |

Covering of the connection between an incoming device and lateral busbars

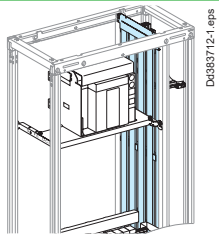
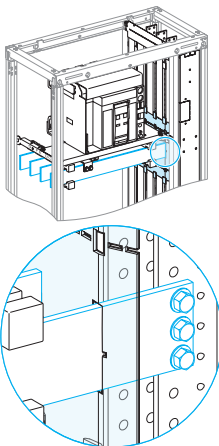
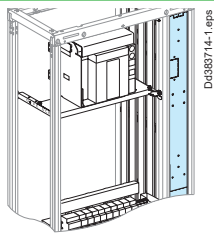
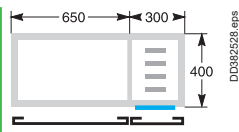
| | |
|------------------------------------|--|
| |  <p>Dat382041.eps</p> |
| | MasterPact MTZ2 |
| Cover with copper connection | LVS04926 |
| Additional cover | LVS04927 |
| Cover with Linergy LGYE connection | LVS04925 |
| Additional cover | LVS04928 |
| Form partition depth | 600 |

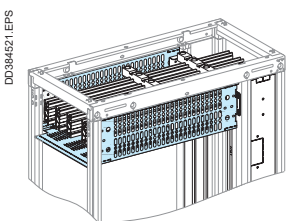
Note: Cubicle depth based on the depth of the incoming device.

Main distribution

Lateral partitioning

- Made of:
 - Four supports that clip to the framework.
 - Five extruded slats that clip to the supports.
 - Two metal plates at the top and bottom that can be cut out to pass a PE or PEN conductor, or one or two 30 x 60 mm trunking sections.
- Compliance with standard IEC 695.2.1 concerning withstand to fire.

| | Side barrier | Restoration kit | Front or rear barrier | |
|------------------------|--|---|--|---|
| |  |  |  |  |
| | | | W = 150 mm | W = 300 mm |
| Characteristics | <ul style="list-style-type: none"> ■ Vertical barrier made of insulating slats. ■ Can be installed on both sides of Linergy BS or Linergy LGY busbars. ■ The space between the slats is sufficient for prefabricated connections (one copper bar, 5 or 10 mm thick, or insulated flexible bars) or for cables up to 35 mm², while maintaining the degree of protection IP2X. | <ul style="list-style-type: none"> ■ This kit enables passage of the connection between a device > 1600 A (MTZ2, INS-INV) and lateral vertical busbars. ■ It is made up of an insulated plate (six modules high = 300 mm) that can be cut as required, supplied with supports and the necessary hardware. ■ Has to be used with MTZ2 interlocking mounting plate. | <p>Can be installed in the front and rear of the busbar compartment. Protects against direct contact with the busbars.</p> <ul style="list-style-type: none"> ■ For 800 mm cubicles: <ul style="list-style-type: none"> □ The door is systematically supplied with a barrier. □ The cover frame is supplied with a wicket door, W = 150 mm, on which devices can be mounted. A front barrier is indispensable. ■ A barrier is required at the rear of the busbar compartment in cubicles that are 600, 800, and 1000 mm deep. | |
| Catalog number | LVS04922 | LVS04924 | LVS04921 | LVS04920 |



Horizontal partitioning

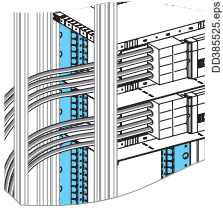
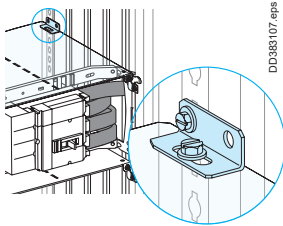
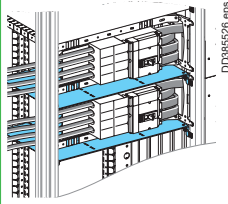
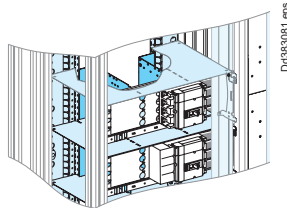
- Set of two barriers (front and rear), plus a slotted rear panel for efficient natural convection in the switchboard.
- The set can be used to partition horizontal busbars installed at the top or bottom of the cubicle.
- The space required for the busbars is not increased.

| Linergy LGYE | | | |
|--------------|------------|----------|----------|
| Top position | | | |
| In | | ≤ 2500 A | ≥ 3200 A |
| Nb of module | | 3 | 4 |
| D400 | | | |
| Cover | W = 300 | LVS04973 | LVS04963 |
| | W = 400 | LVS04974 | LVS04964 |
| | W650 | LVS04976 | LVS04966 |
| | W650 + 150 | LVS04976 | LVS04966 |
| | W800 | LVS04978 | LVS04968 |
| D600 | | | |
| Cover | W = 300 | LVS04983 | LVS04963 |
| | W = 400 | LVS04984 | LVS04964 |
| | W650 | LVS04986 | LVS04966 |
| | W650 + 150 | LVS04986 | LVS04966 |
| | W800 | LVS04988 | LVS04968 |

Note: When the busbars are at the bottom of the cubicle, gland plates are mandatory > page C-57.

Note: To protect horizontal busbars installed at the bottom of the cubicle, the slotted horizontal panel must be replaced by a plain barrier.(LVS04915 or LVS04919) and add a free support LVS04662.

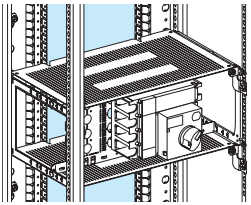
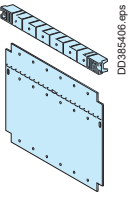
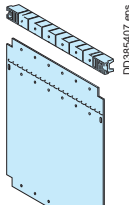
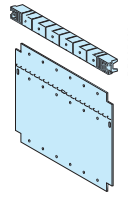
Main distribution

| | Front connection | | | Rear connection | |
|-----------------|---|---|---|---|-----------------|
| |  |  |  |  | |
| | Rear support for partitions W = 650 mm | 6 universal angle brackets | Horizontal metal partition W = 650 mm | Rear connection | |
| Characteristics | Two uprights secured to the framework (400 mm deep) or to the intermediate uprights (600 mm deep frameworks). | A set of brackets can be used to install partial Form 3 partitioning in the cubicle. It does not take up any useful space in the switchboard. | A horizontal metal partition can be used to physically separate functional units from one another. It does not take up any useful space in the switchboard. | Vertical partitions (two cat. no. per functional unit) | |
| Catalog numbers | LVS04943 | LVS03583 | LVS04901 | LVS04955 | LVS04956 |

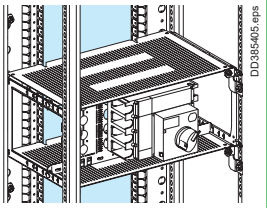
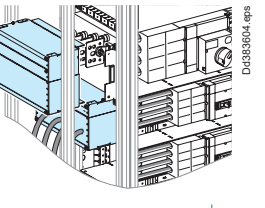
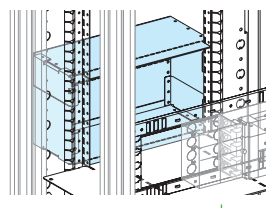
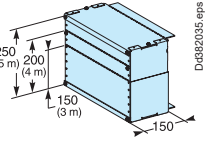
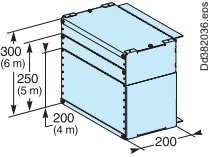
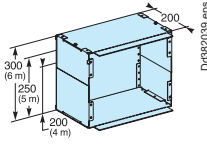


Main distribution

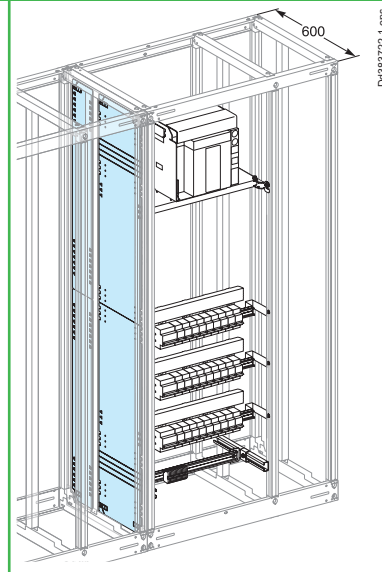
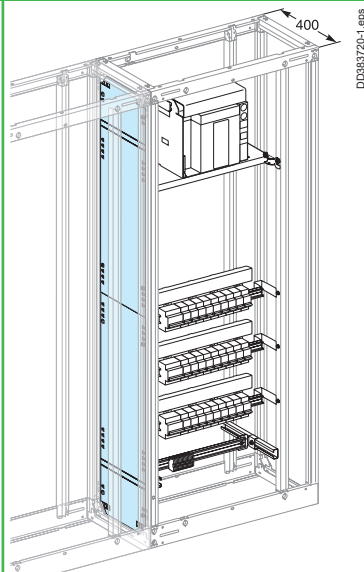
Direct connection to the device

| | | Front connection | | Rear connection | |
|-----------------|---|---|--|---|---|
| | |  |  |  |  |
| | | DD385406 eps | DD385406 eps | DD385407 eps | DD385407 eps |
| | | Backplate | Gland plate | | |
| Characteristics | <ul style="list-style-type: none"> ■ A backplate (one cat. no. per cubicle) made up to two metal half panels mounted on the rear supports for Form 3 partitions. This backplate is not indispensable for 400 mm deep frameworks. | | <ul style="list-style-type: none"> ■ A plastic gland plate that can be easily cut out (one for each functional unit) and is mounted on the framework. | | <ul style="list-style-type: none"> ■ A gland plate at the rear of each functional unit. It is connected directly to the rear supports for Form 3 partitions. |
| | | | 3 to 4 modules | 5 to 6 modules | 3 to 5 modules |
| Catalog numbers | LVS04946 | LVS04951 | LVS04952 | LVS04951 | LVS04952 |

Connection transfer

| | | In a lateral compartment | At the rear of the cubicle | | |
|-----------------|---|---|--|---|--|
| | |  |  |  | |
| | | DD385406 eps | DD383604 eps | DD383090 eps | |
| | |  |  |  | |
| | | DD382035 eps | DD382036 eps | DD382038 eps | |
| | | Backplate | Cover | | |
| Characteristics | <ul style="list-style-type: none"> ■ A backplate (one cat. no. per cubicle) made up to two metal half panels mounted on the rear supports for Form 3 partitions. This backplate is not indispensable for 400 mm deep frameworks. | | <ul style="list-style-type: none"> ■ A cover with plastic gland plates that can be easily cut out on the side and bottom. | | <ul style="list-style-type: none"> ■ It comprises two height-adjustable metal flanges and plastic gland plates that can be easily cut out at the rear and bottom. |
| | | | 3 to 5 modules W150 | 4 to 6 modules W200 | 3 to 5 modules |
| Catalog numbers | LVS04946 | LVS04953 | LVS04954 | LVS04953 | LVS04954 |

Inter-cubicle partition



D400

D600

| | | |
|-----------------|---|----------------------------|
| Characteristics | <ul style="list-style-type: none"> ■ Metal partition, used to separate two adjacent cubicles. ■ It is made up of two panels, each 850 mm high. ■ The top and bottom ends have knock-outs for busbars, PE/PEN conductors or auxiliary wiring. ■ Supplied with the necessary supports and hardware, the partition is mounted on the framework and does not hinder installation of the functional mounting plates. | |
| Catalog numbers | LVS04911 | LVS04911 + LVS04931 |



Disconnectable on Polyfast

Contents

| | |
|---|-------|
| Electrical-distribution switchboards | C-100 |
| Presentation of vertical busbars with clamp connections | C-101 |
| Selection of vertical busbars with clamp connections | C-102 |
| ComPacT NS100/630 | C-104 |

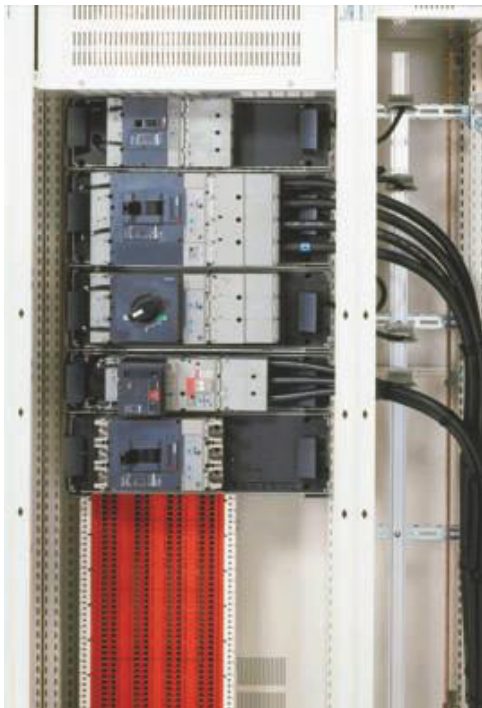


These electrical-distribution switchboards are designed to contain a set of disconnectable functional units. The feeders, made up of three or four-pole ComPacT NS circuit breakers up to 630 A or Multi9 devices, are installed on disconnectable mounting plates and directly connected to vertical busbars via clamps.

Upgrades or maintenance can be carried out by qualified personnel with the switchboard energised, thus ensuring true continuity of service at all times.

The disconnectable mounting plates can be installed in a cubicle 650 mm wide and 600 mm deep, perfectly compatible with all standard PrismaSeT P disconnectable cubicles.

The vertical capacity is 30 modules, each 50 mm high.



Optimised device density in cubicles

The height of the disconnectable mounting plates is perfectly suited to the volume of three-pole and four-pole devices. Integration of the control wires within the volume of the functional units ensures very compact switchboards.

Easy to set up

The disconnectable mounting plates can be easily installed from the front. Direct connection via clamps is very easy. This system eliminates any intermediate connections and ensures high-quality electrical contacts.



Fixed part equipped with double-contact clamps.

An electrical installation that remains available

Maintenance can be carried out by qualified personnel even with the switchboard energised, thus ensuring true continuity of service for the installation.



Auxiliary connection block in the connection compartment.

Presentation of vertical busbars with clamp connections

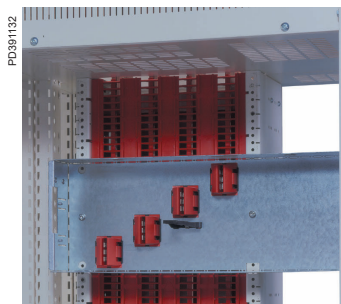
Prisma**SeT** P disconnectable electrical switchboards have a complete and consistent distribution system capable of supplying electrical energy where it is needed.

- Modern, high-performance busbars.
- Perfectly sized, prefabricated connections.
- Distribution blocks that blend perfectly with the devices.
- Direct supply to feeders on disconnectable mounting plates via clamps.

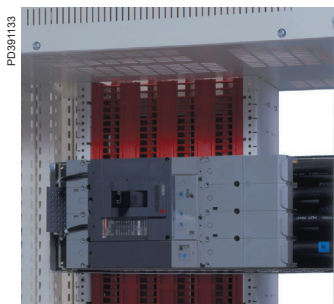
All components are put through rigorous tests with Schneider Electric devices to ensure that the resulting switchboards are dependable and comply with international standard IEC 60439-1.



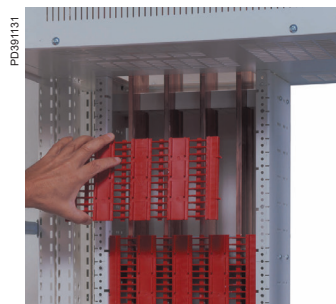
Rear vertical busbars with clamp connections.



Fixed part equipped with double-contact clamps.



NS400 disconnectable mounting plate for electrical distribution.



Fully insulated horizontal and vertical busbars.

Calculation of busbars

| Permissible current for switchboards | | Number of bars/phase | Number of supports for Icw (kA rms/1 s) | | |
|--------------------------------------|---------|----------------------|---|----|----|
| IP ≤ 31 | IP > 31 | | 50 | 70 | 85 |
| 1200 | 1050 | 1 bar, 50 x 10 mm | 6 | | |
| 1750 | 1530 | 1 bar, 80 x 10 mm | | | |
| 2100 | 1840 | 1 bar, 100 x 10 mm | | 7 | 8 |

Selection of busbars



Busbar covers

Presentation

Set made up of:

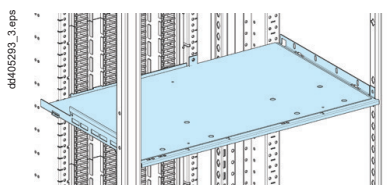
- 1 top plate
- 1 bottom plate with a stop to maintain the bars in position
- 2 side plates (1 left and 1 right) to which the bar supports are secured
- 1 rear plate
- 1 set of grilles for the front
- 1 cover for the horizontal busbars
- 2 busbar support lateral cross-members
- Height: 6 modules

Cat. no. selection

| Designation | Cat. no. |
|--|----------|
| Rear busbar cover for cubicle D = 600 mm | 88002 |

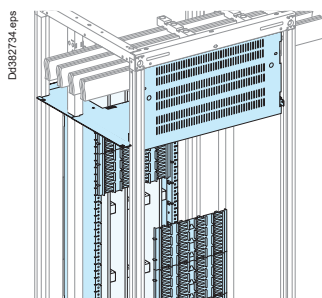
Case and space cover

| Designation | Cat. no. |
|-------------------------|----------|
| FU horizontal partition | 87401 |

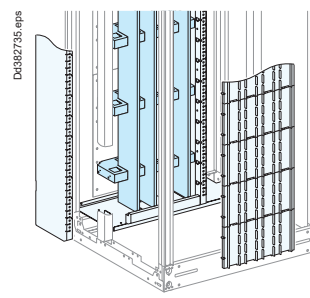


Busbar supports

| Designation | Cat. no. |
|--------------------------------|----------|
| 1 support for 50 x 10 mm bars | 88005 |
| 1 support for 80 x 10 mm bars | 88006 |
| 1 support for 100 x 10 mm bars | 88006 |

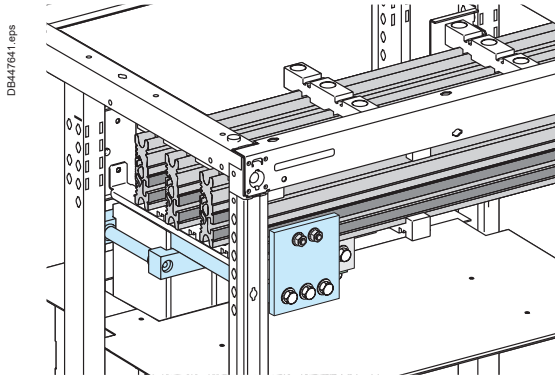


Busbar covers



Bars and supports

Calculation of busbars

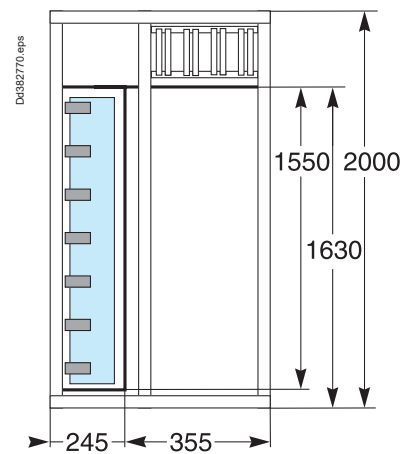
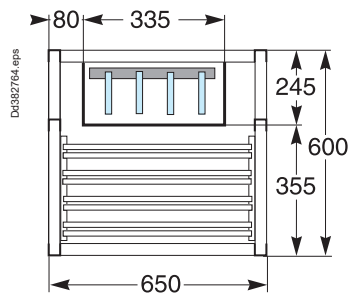


Flat busbars, L = 2000 mm

| Connection between horizontal and vertical busbars | Catalog number |
|--|-----------------|
| For horizontal busbars width ≤ 80 mm | |
| Vertical busbars ≤ 1200 A | 3P 88007 |
| | 4P 88008 |
| Vertical busbars > 1200 A | 3P 88014 |
| | 4P 88015 |
| For horizontal busbars width = 100 mm | |
| Vertical busbars ≤ 1200 A | 3P 88007 |
| | 4P 88008 |
| Vertical busbars > 1200 A | 3P 88014 |
| | 4P 88015 |



Busbar dimensions



ComPacT NS100/630

Toggle

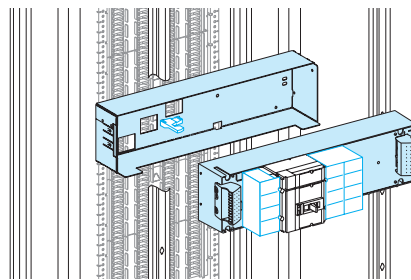
Device installation



Note: For measurements, the current transformers are installed in the cable compartment.

| Device | No. of 50 mm modules (1) | Disconnectable mounting plates | | Terminal shields | | Safety trip for advanced opening |
|--------------------------|---|--------------------------------|--------------|-----------------------------------|------------------------------------|----------------------------------|
| | | fixed part | moving part | upstream (short terminal shields) | downstream (long terminal shields) | |
| ComPacT NS100/630 | | | | | | |
| NS100/250 3P | 2, 5 | 88010 | 88020 | 29321 | 29323 | 29270 |
| | 4P | 88011 | 88021 | 29322 | 29324 | 29270 |
| NS400/630 3P | 3, 5 | 88012 | 88022 | 32562 | 32564 | 32520 |
| | 4P | 88013 | 88023 | 32563 | 32565 | 32520 |
| NS400/630 | Earth-leakage protection is provided by an external Vigirex type device with a toroid installed in the cable compartment. | | | | | |

(1) Available capacity: 30 modules.

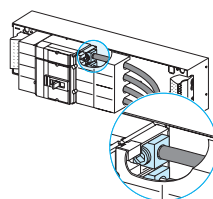


Connection

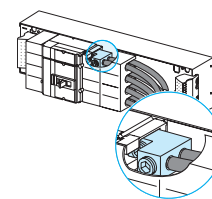
To connect the ComPacT NS400/630 using cables with large cross-sectional areas (up to 300 mm²), use of the terminals below is recommended.

Terminals for copper and aluminium cables

| | | |
|---|----------|--------------|
| For 1 cable from 35 to 300 mm ² | Set of 3 | 32479 |
| | Set of 4 | 32480 |
| For 2 cables from 85 to 240 mm ² | Set of 3 | 32481 |
| | Set of 4 | 32482 |



32480



32482

Additional Information

Contents

Spare parts

| | | |
|-----------------------------------|---|--------------|
| | After-sales accessories | C-108 |
| Electrical characteristics | | |
| | Designing horizontal busbars | |
| | Linergy LGYE | C-112 |
| | Designing vertical busbars | |
| | Linergy LGYE | C-113 |
| | Designing connections between a device and busbars | |
| | Fixed MasterPact 08-16 | C-114 |
| | Fixed MasterPact 08-32 | C-115 |
| | Drawout MasterPact 08-16 | C-116 |
| | Drawout MasterPact 08-32 | C-117 |
| | Designing connections between a device and busbars | |
| | Dedicated cubicle | |
| | Fixed MasterPact 08-32 | C-118 |
| | Drawout MasterPact 08-32 | C-119 |
| | Designing connections between a device and busbars | |
| | Fixed MasterPact 06-16 | C-120 |
| | Drawout MasterPact 06-16 | C-122 |
| | Designing connections ≤ 630 A | |
| | Device connections | C-124 |
| | ComPacT circuit breakers NSX100 to NSX630 | C-125 |
| | ComPacT circuit breakers NSX100 to NSX250 | C-126 |
| | ComPacT circuit breakers NSXm up to 63 | C-127 |
| | Designing cable connections | |
| | Tubular lugs | C-128 |
| | Designing customer connections | |
| | Prefabricated connections for MasterPact 06-16 | C-129 |
| | Fixed MasterPact 08-16 | C-130 |
| | Fixed MasterPact 08-32 | C-131 |
| | Drawout MasterPact 08-16 | C-132 |
| | MasterPact 08-32 withdrawable | C-133 |
| | Fixed MasterPact 06-16 | C-134 |
| | Drawout MasterPact 06-16 | C-135 |
| | Designing connections between a device and busbars | |
| | Dedicated cubicle - W = 400 mm | C-136 |

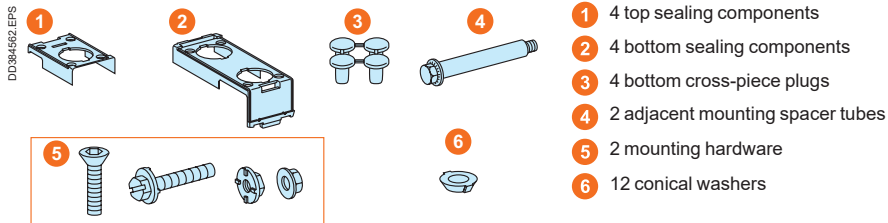
After-sales accessories

Spare parts

Framework accessories

Framework accessories

LVS01104



Front-plate accessories

10 sets of 2 grips quarter turn

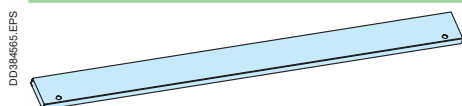
LVS01094



Accessory

Plain wicket door, W = 150 mm

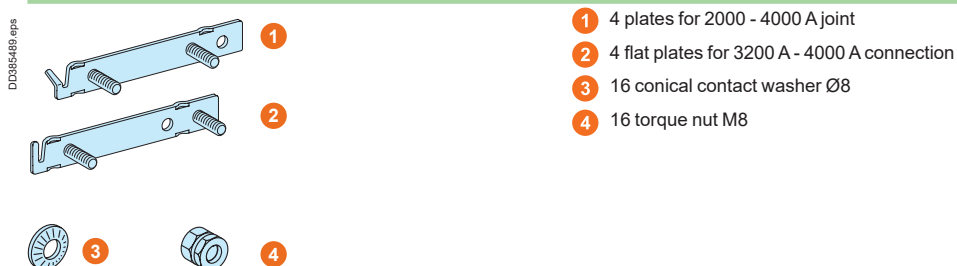
LVS01110



Linergy LGYE busbar accessories

Linergy LGYE connection screwplate kit

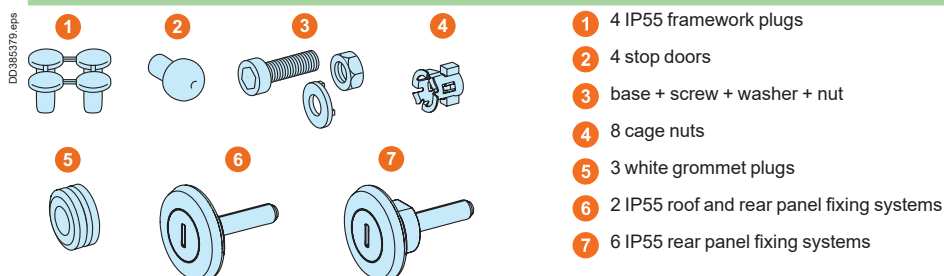
LVS01130



Rear accessories

Accessories IP55


LVS01101



Accessories for IP55 side panel LVS01102

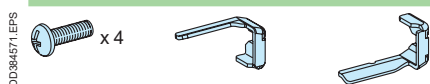
- DD384666.EPS
- 
- 1 16 fixing system IP55
 - 2 16 cage nuts

Accessories for IP55 roof LVS01103

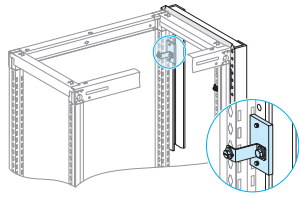
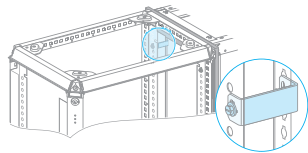
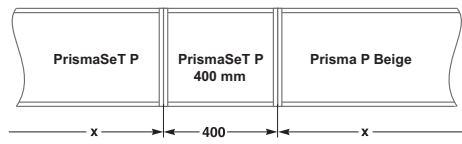
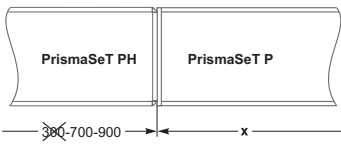
- DD385380.EPS
- 
- 1 4 lifting ring plugs
 - 2 6 cage nuts
 - 3 6 mounting sets of screw fixing IP55 for roof

Front plate support frames

Front plate support striker kit for LVS08564 - LVS08566 LVS01123



Side-by-side combination kit

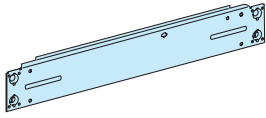
| | PrismaSeT P/Prisma P Beige | PrismaSeT P/PrismaSeT PH |
|-----------------|---|--|
| | <p>DD382926.EPS</p>  | <p>DD383847.EPS</p>  |
| Catalog number | LVS01199 | LVS01198 |
| Characteristics | <ul style="list-style-type: none"> ■ To add a PrismaSeT P cubicle to an existing Prisma P Beige installation, use the combination kit and a 400 mm wide frame. <p>DD385279.EPS</p>  | <ul style="list-style-type: none"> ■ PrismaSeT PH/PrismaSeT P side-by-side combination kit <p>Note: When combining PrismaSeT PH and PrismaSeT P IP55 enclosures, use the IP55 sealing kit for side-by-side combinations (LVS08717) together with the side-by-side combination kit (LVS01198).</p> <p>DD385279.EPS</p>  |

Spare parts

Framework accessories

Framework accessories

DD394572.EPS



Frame bottom cross-member W400 to use with LVS08564

LVS01119 ⁽¹⁾

Frame bottom cross-member W650 to use with LVS08566

LVS01120 ⁽¹⁾

Frame bottom cross-member W150+650 to use with LVS08566

LVS01121 ⁽¹⁾

Frame bottom cross-member W650+150 to use with LVS08566

LVS01122 ⁽¹⁾

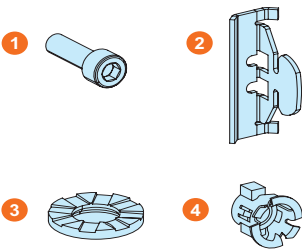
⁽¹⁾ Spare parts on stock in RAL 9003 only.

Door accessories

Reinforced door striker

LVS01114

DD435801.eps



1 4 screws MSC HXG SK M6 x 20

2 4 door strike stoppers

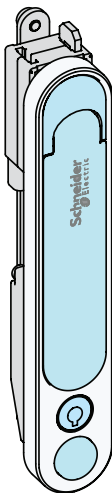
3 4 washers

4 4 captive nuts for frame

PrismaSeT P rotary handle spare parts

LVS01219

mz2131101_1.eps



1 Handle housing block

2 P adapter link part

3 Screw, pan head, M5x8

4 The key of 405

5 1 crosshead screw

6 Omega fix part

7 Driver block

8 Hex locking screw, M6x10

9 Self tapping screw, pan head, ST3.5x15

Designing horizontal busbars

Linery LGYE

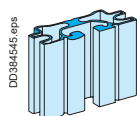
Electrical characteristics

Permissible current and selection of Linery LGYE busbars Up to 3200 A

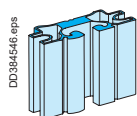
Linery LGYE section

| Type of bars | Permissible current (A) | | | | | | | | | | | |
|------------------|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | Ambient temperature around the switchboard | | | | | | | | | | | |
| | 25 °C | | 30 °C | | 35 °C | | 40 °C | | 45 °C | | 50 °C | |
| Size per phase | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 |
| Linery LGYE 630 | 680 | 580 | 650 | 550 | 630 | 530 | 590 | 500 | 550 | 470 | 520 | ■ |
| Linery LGYE 800 | 860 | 740 | 830 | 710 | 800 | 680 | 750 | 630 | 700 | 600 | 660 | ■ |
| Linery LGYE 1000 | 1080 | 920 | 1040 | 884 | 1000 | 850 | 940 | 790 | 880 | 750 | 830 | ■ |
| Linery LGYE 1250 | 1350 | 1150 | 1300 | 1100 | 1250 | 1050 | 1170 | 1000 | 1100 | 930 | 1020 | ■ |
| Linery LGYE 1600 | 1730 | 1580 | 1690 | 1530 | 1650 | 1480 | 1550 | 1380 | 1450 | 1300 | 1350 | ■ |
| Linery LGYE 2000 | 2200 | 1810 | 2100 | 1730 | 2000 | 1650 | 1900 | 1560 | 1810 | 1480 | 1720 | ■ |
| Linery LGYE 2500 | 2640 | 2230 | 2540 | 2160 | 2440 | 2100 | 2310 | 2000 | 2240 | 1930 | 2120 | ■ |
| Linery LGYE 3200 | 3400 | 3020 | 3300 | 2900 | 3200 | 2800 | 3040 | 2660 | 2890 | 2520 | 2750 | ■ |

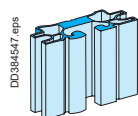
■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.



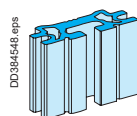
Section 630 A.
Cat. No. LVS04560.



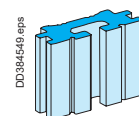
Section 800 A.
Cat. No. LVS04561.



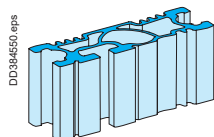
Section 1000 A.
Cat. No. LVS04562.



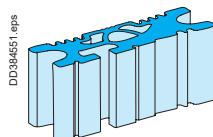
Section 1250 A.
Cat. No. LVS04563.



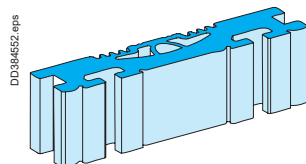
Section 1600 A.
Cat. No. LVS04564.



Section 2000 A.
Cat. No. LVS04565.



Section 2500 A.
Cat. No. LVS04566.



Section 3200 A.
Cat. No. LVS04567.

Designing vertical busbars

Linery LGYE

Electrical characteristics

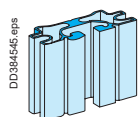
Permissible current and selection of Linery LGYE busbars

Up to 3200 A

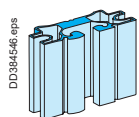
Linery LGYE section

| Type of bars | Permissible current (A) | | | | | | | | | | | |
|------------------|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | Ambient temperature around the switchboard | | | | | | | | | | | |
| | 25 °C | | 30 °C | | 35 °C | | 40 °C | | 45 °C | | 50 °C | |
| Size per phase | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 |
| Linery LGYE 630 | 680 | 580 | 650 | 550 | 630 | 530 | 590 | 500 | 550 | 470 | 520 | ■ |
| Linery LGYE 800 | 860 | 740 | 830 | 710 | 800 | 680 | 750 | 630 | 700 | 600 | 660 | ■ |
| Linery LGYE 1000 | 1080 | 920 | 1040 | 884 | 1000 | 850 | 940 | 790 | 880 | 750 | 830 | ■ |
| Linery LGYE 1250 | 1350 | 1150 | 1300 | 1100 | 1250 | 1050 | 1170 | 1000 | 1100 | 930 | 1020 | ■ |
| Linery LGYE 1600 | 1730 | 1580 | 1690 | 1530 | 1650 | 1480 | 1550 | 1380 | 1450 | 1300 | 1350 | ■ |
| Linery LGYE 2000 | 2200 | 1810 | 2100 | 1730 | 2000 | 1650 | 1900 | 1560 | 1810 | 1480 | 1720 | ■ |
| Linery LGYE 2500 | 2640 | 2230 | 2540 | 2160 | 2440 | 2100 | 2310 | 2000 | 2240 | 1930 | 2120 | ■ |
| Linery LGYE 3200 | 3400 | 3020 | 3300 | 2900 | 3200 | 2800 | 3040 | 2660 | 2890 | 2520 | 2750 | ■ |

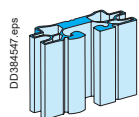
■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.



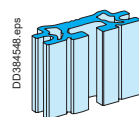
Section 630 A.
Cat. No. LVS04560.



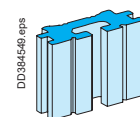
Section 800 A.
Cat. No. LVS04561.



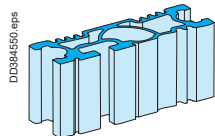
Section 1000 A.
Cat. No. LVS04562.



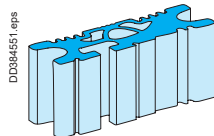
Section 1250 A.
Cat. No. LVS04563.



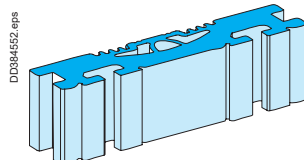
Section 1600 A.
Cat. No. LVS04564.



Section 2000 A.
Cat. No. LVS04565.



Section 2500 A.
Cat. No. LVS04566.



Section 3200 A.
Cat. No. LVS04567.

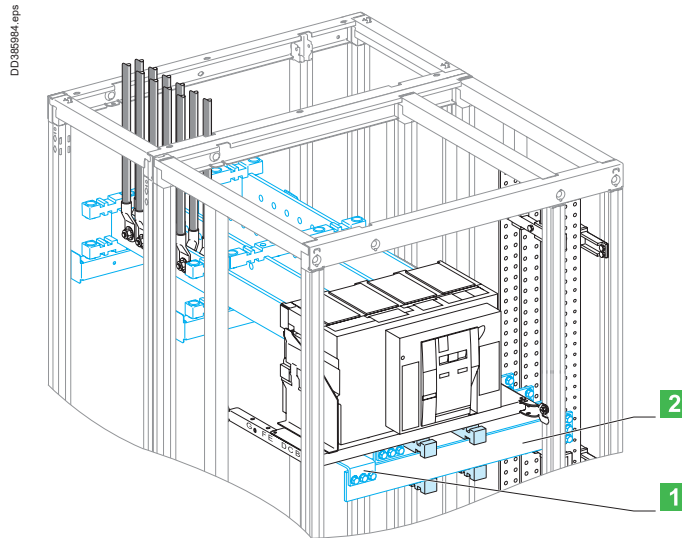
Designing connections between a device and busbars

Fixed MasterPact 08-16

Electrical characteristics

MasterPact MTZ2 08 to 16
 MasterPact MTZ2 08 to 16
 Fixed

Vertical busbars on the left or right
 Linergy LGYE busbar
 Connections drawings supplied by
 Schneider Electric



- 1** Liaison
- 2** Horizontal link.

Using the data below, it is possible to determine the size of the copper bars and the maximum permissible currents when making the connections to busbars for a vertical, fixed MasterPact MTZ2 08/16, front or rear connection, taking into account the ambient temperature around the switchboard and the IP value.

Connection

Flat bars, 5 mm thick

| Device | | Permissible current (A) | | | | | | | | | | | |
|---------|----------------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|
| | | Ambient temperature around the switchboard ⁽¹⁾ | | | | | | | | | | | |
| | | 25 °C | | 30 °C | | 35 °C | | 40 °C | | 45 °C | | 50 °C | |
| | | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 |
| MTZ2 08 | Size per phase | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | ■ |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | |
| MTZ2 10 | Size per phase | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | ■ |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | |
| MTZ2 12 | Size per phase | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | ■ |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | |
| MTZ2 16 | Size per phase | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | ■ |
| | I (A) | 1600 | 1600 | 1600 | 1570 | 1600 | 1520 | 1570 | 1470 | 1520 | 1420 | 1470 | |

Horizontal link

Flat bars, 5 mm thick

| Device | | Permissible current (A) | | | | | | | | | | | |
|---------|----------------|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|
| | | Ambient temperature around the switchboard | | | | | | | | | | | |
| | | 25 °C | | 30 °C | | 35 °C | | 40 °C | | 45 °C | | 50 °C | |
| | | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 |
| MTZ2 08 | Size per phase | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | ■ |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | |
| MTZ2 10 | Size per phase | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | ■ |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | |
| MTZ2 12 | Size per phase | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | ■ |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | |
| MTZ2 16 | Size per phase | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | ■ |
| | I (A) | 1600 | 1600 | 1600 | 1570 | 1600 | 1520 | 1570 | 1470 | 1520 | 1420 | 1470 | |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

(1) In the case of a door mounted at the rear of cubicle, add 10 °C.

Note: The values indicated above have been validated for PrismaSeT P switchboards.

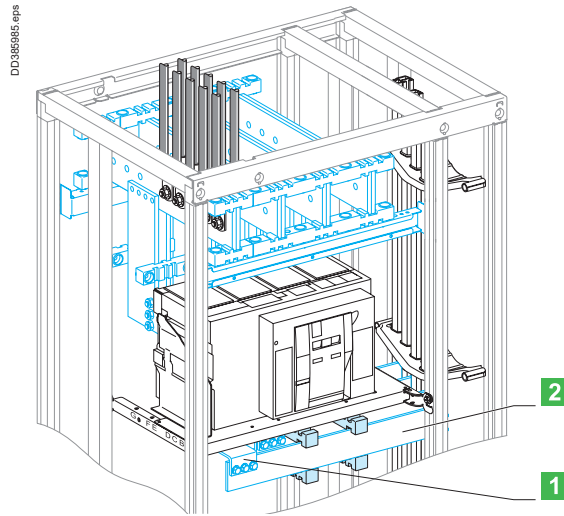
Designing connections between a device and busbars

Fixed MasterPact 08-32

Electrical characteristics

MasterPact MTZ2 08 to 32
MasterPact MTZ2 08 to 32
Fixed

Vertical busbars on the left or right
Linergy LGYE busbar
Connections drawings supplied by
Schneider Electric



- 1** Connection.
- 2** Horizontal link.

Using the data below, it is possible to determine the size of the copper bars and the maximum permissible currents when making the connections to busbars for a vertical, fixed MasterPact MTZ2 08/32, front or rear connection, taking into account the ambient temperature around the switchboard and the IP value.

Connection

Flat bars, 10 mm thick

| Device | | Permissible current (A) | | | | | | | | | | | |
|---------|----------------|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | Ambient temperature around the switchboard | | | | | | | | | | | |
| | | 25 °C | | 30 °C | | 35 °C | | 40 °C | | 45 °C | | 50 °C | |
| | | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 |
| MTZ2 08 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 |
| MTZ2 10 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| MTZ2 12 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 |
| MTZ2 16 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 1600 | 1600 | 1600 | 1570 | 1600 | 1520 | 1570 | 1470 | 1520 | 1420 | 1470 | 1470 |
| MTZ2 20 | Size per phase | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 |
| | I (A) | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 1950 | 2000 | 1900 | 1950 | 1950 |
| MTZ2 25 | Size per phase | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 |
| | I (A) | 2500 | 2500 | 2500 | 2500 | 2500 | 2460 | 2500 | 2380 | 2500 | 2300 | 2460 | 2460 |
| MTZ2 32 | Size per phase | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 |
| | I (A) | 3200 | 3000 | 3170 | 2910 | 3080 | 2820 | 3000 | 2730 | 2910 | 2630 | 2820 | 2820 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Horizontal link

Flat bars, 10 mm thick

| Device | | Permissible current (A) | | | | | | | | | | | |
|---------|----------------|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | Ambient temperature around the switchboard | | | | | | | | | | | |
| | | 25 °C | | 30 °C | | 35 °C | | 40 °C | | 45 °C | | 50 °C | |
| | | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 |
| MTZ2 08 | Size per phase | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 |
| MTZ2 10 | Size per phase | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| MTZ2 12 | Size per phase | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 |
| MTZ2 16 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 1600 | 1600 | 1600 | 1570 | 1600 | 1520 | 1570 | 1470 | 1520 | 1420 | 1470 | 1470 |
| MTZ2 20 | Size per phase | 2b 60 x 10 | 2b 60 x 10 | 2b 60 x 10 | 2b 60 x 10 | 2b 60 x 10 | 2b 60 x 10 | 2b 60 x 10 | 2b 60 x 10 | 2b 60 x 10 | 2b 60 x 10 | 2b 60 x 10 | 2b 60 x 10 |
| | I (A) | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 1950 | 2000 | 1900 | 1950 | 1950 |
| MTZ2 25 | Size per phase | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 |
| | I (A) | 2500 | 2500 | 2500 | 2500 | 2500 | 2460 | 2500 | 2380 | 2500 | 2300 | 2460 | 2460 |
| MTZ2 32 | Size per phase | 2b 100x10 | 2b 100x10 | 2b 100x10 | 2b 100x10 | 2b 100x10 | 2b 100x10 | 2b 100x10 | 2b 100x10 | 2b 100x10 | 2b 100x10 | 2b 100x10 | 2b 100x10 |
| | I (A) | 3200 | 3000 | 3170 | 2910 | 3080 | 2820 | 3000 | 2730 | 2910 | 2630 | 2820 | 2820 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Note: The values indicated above have been validated for PrismaSeT P switchboards.

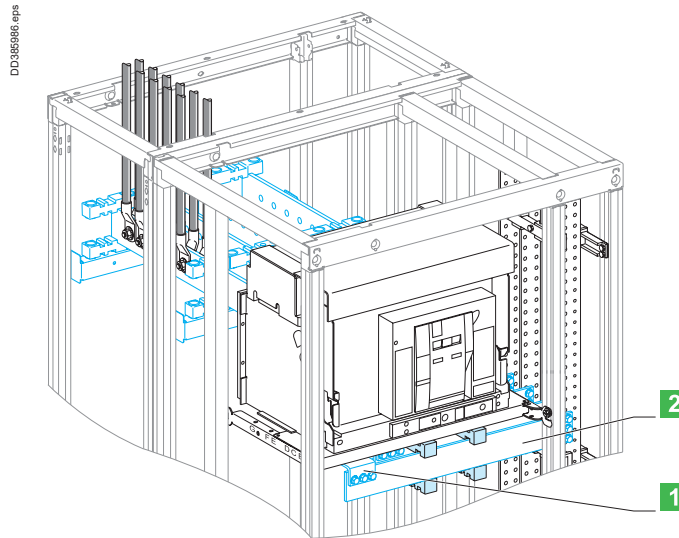
Designing connections between a device and busbars

Drawout MasterPact 08-16

Electrical characteristics

MasterPact MTZ2 08 to 16
MasterPact MTZ2 08 to 16
Drawout

Vertical busbars on the left or right
Linergy LGYE busbar
Connections drawings supplied by
Schneider Electric



- 1** Connection.
- 2** Horizontal link.

Using the data below, it is possible to determine the size of the copper bars and the maximum permissible currents when making the connections to busbars for a vertical, drawout MasterPact MTZ2 08/16, front or rear connection, taking into account the ambient temperature around the switchboard and the IP value.

Connection

Flat bars, 5 mm thick

| Device | | Permissible current (A) | | | | | | | | | | | | |
|---------|----------------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---|
| | | Ambient temperature around the switchboard ⁽¹⁾ | | | | | | | | | | | | |
| | | 25 °C | | 30 °C | | 35 °C | | 40 °C | | 45 °C | | 50 °C | | |
| | | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | |
| MTZ2 08 | Size per phase | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | ■ |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | |
| MTZ2 10 | Size per phase | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | ■ |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | |
| MTZ2 12 | Size per phase | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | ■ |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1250 | 1230 | 1250 | 1200 | 1230 | 1160 | 1200 | 1200 | |
| MTZ2 16 | Size per phase | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | ■ |
| | I (A) | 1560 | 1480 | 1520 | 1430 | 1480 | 1380 | 1430 | 1330 | 1380 | 1280 | 1330 | 1330 | |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Horizontal link

Flat bars, 5 mm thick

| Device | | Permissible current (A) | | | | | | | | | | | | |
|---------|----------------|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---|
| | | Ambient temperature around the switchboard | | | | | | | | | | | | |
| | | 25 °C | | 30 °C | | 35 °C | | 40 °C | | 45 °C | | 50 °C | | |
| | | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | |
| MTZ2 08 | Size per phase | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | ■ |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | |
| MTZ2 10 | Size per phase | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | ■ |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | |
| MTZ2 12 | Size per phase | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | ■ |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1250 | 1230 | 1250 | 1200 | 1230 | 1160 | 1200 | 1200 | |
| MTZ2 16 | Size per phase | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | ■ |
| | I (A) | 1560 | 1480 | 1520 | 1430 | 1480 | 1380 | 1430 | 1330 | 1380 | 1280 | 1330 | 1330 | |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

(1) In the case of a door mounted at the rear of cubicle, add 10 °C.

Note: The values indicated above have been validated for PrismaSeT P switchboards.

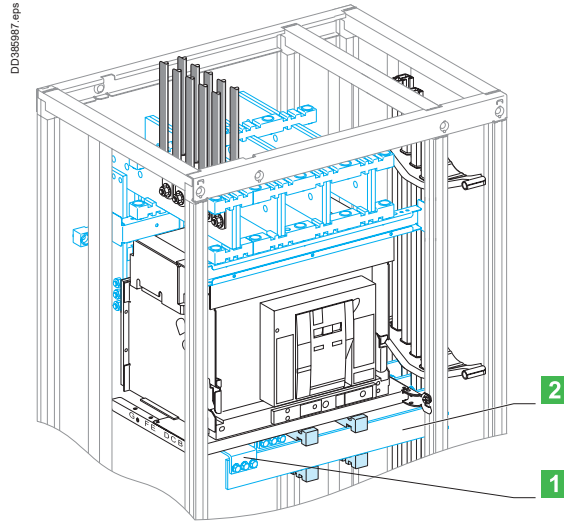
Designing connections between a device and busbars

Drawout MasterPact 08-32

Electrical characteristics

MasterPact MTZ2 08 to 32
MasterPact MTZ2 08 to 32
Drawout

Vertical busbars on the left or right
Linergy LGYE busbar
Connections drawings supplied by
Schneider Electric



- 1** Connection.
- 2** Horizontal link.

Using the data below, it is possible to determine the size of the copper bars and the maximum permissible currents when making the connections to busbars for a vertical, drawout MasterPact MTZ2 08/32, front or rear connection, taking into account the ambient temperature around the switchboard and the IP value.

Connection

Flat bars, 10 mm thick

| Device | | Permissible current (A) | | | | | | | | | | | |
|---------|----------------|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | Ambient temperature around the switchboard | | | | | | | | | | | |
| | | 25 °C | | 30 °C | | 35 °C | | 40 °C | | 45 °C | | 50 °C | |
| | | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 |
| MTZ2 08 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 |
| MTZ2 10 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| MTZ2 12 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 1250 | 1250 | 1250 | 1210 | 1250 | 1180 | 1210 | 1140 | 1180 | 1100 | 1140 | 1140 |
| MTZ2 16 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 1560 | 1480 | 1520 | 1430 | 1480 | 1380 | 1430 | 1330 | 1380 | 1280 | 1330 | 1330 |
| MTZ2 20 | Size per phase | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 |
| | I (A) | 2000 | 2000 | 2000 | 1950 | 2000 | 1900 | 1950 | 1830 | 1900 | 1760 | 1830 | 1830 |
| MTZ2 25 | Size per phase | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 |
| | I (A) | 2470 | 2280 | 2410 | 2210 | 2350 | 2140 | 2280 | 2070 | 2210 | 2000 | 2140 | 2140 |
| MTZ2 32 | Size per phase | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 |
| | I (A) | 2960 | 2730 | 2890 | 2630 | 2820 | 2530 | 2730 | 2450 | 2630 | 2370 | 2530 | 2530 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Horizontal link

Flat bars, 10 mm thick

| Device | | Permissible current (A) | | | | | | | | | | | |
|---------|----------------|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | Ambient temperature around the switchboard | | | | | | | | | | | |
| | | 25 °C | | 30 °C | | 35 °C | | 40 °C | | 45 °C | | 50 °C | |
| | | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 |
| MTZ2 08 | Size per phase | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 |
| MTZ2 10 | Size per phase | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| MTZ2 12 | Size per phase | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 |
| | I (A) | 1250 | 1250 | 1250 | 1210 | 1250 | 1180 | 1210 | 1140 | 1180 | 1100 | 1140 | 1140 |
| MTZ2 16 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 1560 | 1480 | 1520 | 1430 | 1480 | 1380 | 1430 | 1330 | 1380 | 1280 | 1330 | 1330 |
| MTZ2 20 | Size per phase | 2b 60 x 10 | 2b 60 x 10 | 2b 60 x 10 | 2b 60 x 10 | 2b 60 x 10 | 2b 60 x 10 | 2b 60 x 10 | 2b 60 x 10 | 2b 60 x 10 | 2b 60 x 10 | 2b 60 x 10 | 2b 60 x 10 |
| | I (A) | 2000 | 2000 | 2000 | 1950 | 2000 | 1900 | 1950 | 1830 | 1900 | 1760 | 1830 | 1830 |
| MTZ2 25 | Size per phase | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 |
| | I (A) | 2470 | 2280 | 2410 | 2210 | 2350 | 2140 | 2280 | 2070 | 2210 | 2000 | 2140 | 2140 |
| MTZ2 32 | Size per phase | 2b 100x10 | 2b 100x10 | 2b 100x10 | 2b 100x10 | 2b 100x10 | 2b 100x10 | 2b 100x10 | 2b 100x10 | 2b 100x10 | 2b 100x10 | 2b 100x10 | 2b 100x10 |
| | I (A) | 2960 | 2730 | 2890 | 2630 | 2820 | 2530 | 2730 | 2450 | 2630 | 2370 | 2530 | 2530 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Note: The values indicated above have been validated for PrismaSeT P switchboards.

Designing connections between a device and busbars

Dedicated cubicle

Fixed MasterPact 08-32

Electrical characteristics

MasterPact MTZ2 08 to 32

MasterPact MTZ2 08 to 32

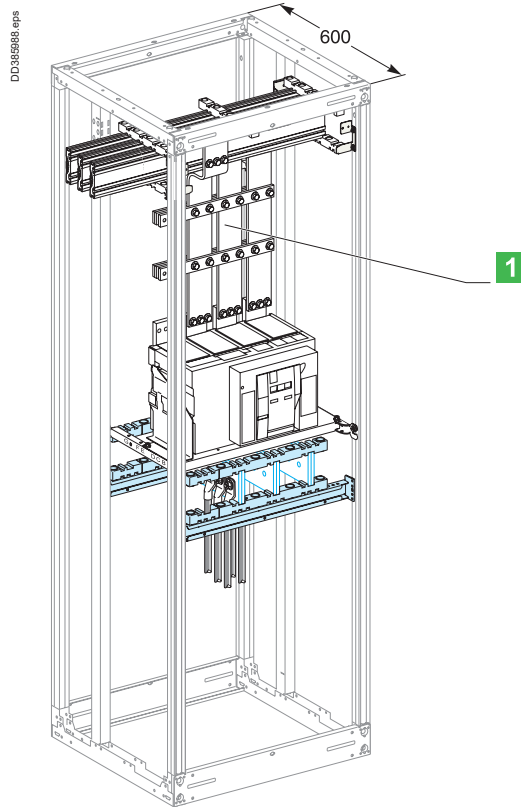
Fixed

Dedicated cubicle

Linergy LGYE busbar

Connections drawings supplied by

Schneider Electric



Connection

Flat bars, 10 mm thick

| Device | | Permissible current (A) | | | | | | | | | | | | |
|---------|----------------|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|---|
| | | Ambient temperature around the switchboard | | | | | | | | | | | | |
| | | 25 °C | | 30 °C | | 35 °C | | 40 °C | | 45 °C | | 50 °C | | |
| | | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | |
| MTZ2 08 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | ■ |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | |
| MTZ2 10 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | ■ |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | |
| MTZ2 12 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | ■ |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | |
| MTZ2 16 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | ■ |
| | I (A) | 1600 | 1600 | 1600 | 1570 | 1600 | 1520 | 1570 | 1470 | 1520 | 1420 | 1470 | | |
| MTZ2 20 | Size per phase | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | ■ |
| | I (A) | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 1950 | 2000 | 1900 | 1950 | | |
| MTZ2 25 | Size per phase | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | ■ |
| | I (A) | 2500 | 2500 | 2500 | 2500 | 2500 | 2460 | 2500 | 2380 | 2500 | 2300 | 2460 | | |
| MTZ2 32 | Size per phase | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | ■ |
| | I (A) | 3200 | 3000 | 3170 | 2910 | 3080 | 2820 | 3000 | 2730 | 2910 | 2630 | 2820 | | |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Designing connections between a device and busbars

Dedicated cubicle

Drawout MasterPact 08-32

Electrical characteristics

MasterPact MTZ2 08 to 32

MasterPact MTZ2 08 to 32

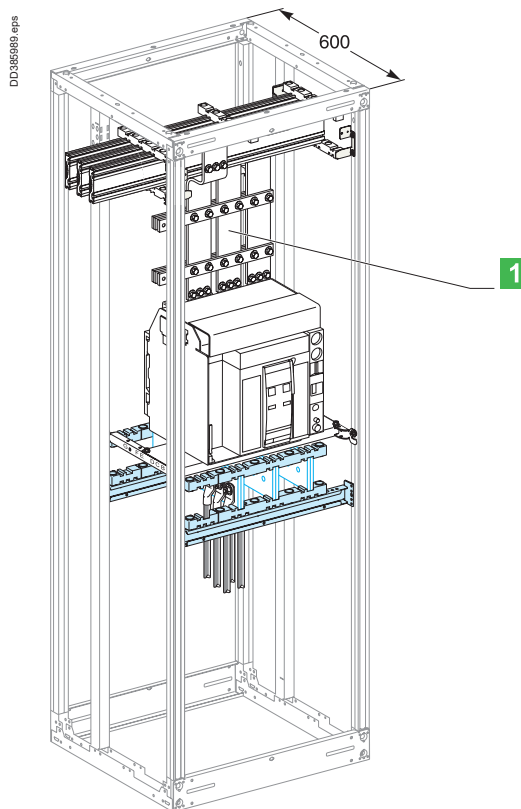
Drawout

Dedicated cubicle

Linergy LGYE busbar

Connections drawings supplied by

Schneider Electric



Connection

Flat bars, 10 mm thick

| Device | | Permissible current (A) | | | | | | | | | | | | |
|---------|----------------|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|---|
| | | Ambient temperature around the switchboard | | | | | | | | | | | | |
| | | 25 °C | | 30 °C | | 35 °C | | 40 °C | | 45 °C | | 50 °C | | |
| | | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | |
| MTZ2 08 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | ■ |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | |
| MTZ2 10 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | ■ |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | |
| MTZ2 12 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | ■ |
| | I (A) | 1250 | 1250 | 1250 | 1210 | 1250 | 1180 | 1210 | 1140 | 1180 | 1100 | 1140 | | |
| MTZ2 16 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | ■ |
| | I (A) | 1560 | 1480 | 1520 | 1430 | 1480 | 1380 | 1430 | 1330 | 1380 | 1280 | 1330 | | |
| MTZ2 20 | Size per phase | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | ■ |
| | I (A) | 2000 | 2000 | 2000 | 1950 | 2000 | 1900 | 1950 | 1830 | 1900 | 1760 | 1830 | | |
| MTZ2 25 | Size per phase | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | ■ |
| | I (A) | 2470 | 2280 | 2410 | 2210 | 2350 | 2140 | 2280 | 2070 | 2210 | 2000 | 2140 | | |
| MTZ2 32 | Size per phase | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | ■ |
| | I (A) | 2960 | 2730 | 2890 | 2630 | 2820 | 2530 | 2730 | 2450 | 2630 | 2370 | 2530 | | |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

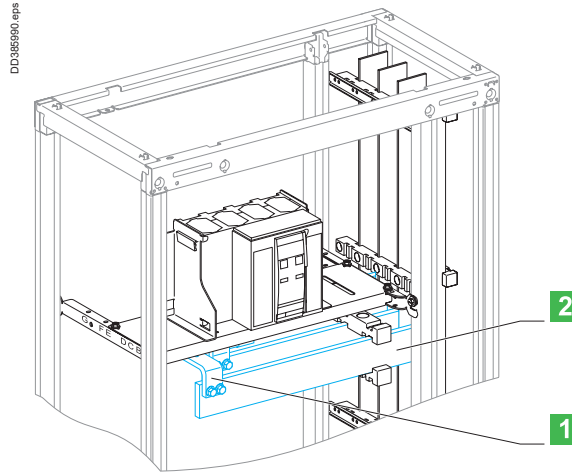
Designing connections between a device and busbars

Fixed MasterPact 06-16

Electrical characteristics

MasterPact MTZ1 06 to 16
 MasterPact MTZ1 06 to 16
 Fixed

Vertical busbars on the left or right
 Linergy LGYE busbar
 Connections drawings supplied by
 Schneider Electric



- 1** Connection.
- 2** Horizontal link.

Using the data below, it is possible to determine the size of the copper bars and the maximum permissible currents when making the connections to busbars for a vertical, fixed MasterPact MTZ1 06/16, taking into account the ambient temperature around the switchboard and the IP value.

Connection

Flat bars, 5 mm thick

| Device | | Permissible current (A) | | | | | | | | | | | |
|------------------------|----------------|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|
| | | Ambient temperature around the switchboard | | | | | | | | | | | |
| | | 25 °C | | 30 °C | | 35 °C | | 40 °C | | 45 °C | | 50 °C | |
| | | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 |
| MTZ1 06 | Size per phase | 1b 50 x 5 | 1b 50 x 5 | 1b 50 x 5 | 1b 50 x 5 | 1b 50 x 5 | 1b 50 x 5 | 1b 50 x 5 | 1b 50 x 5 | 1b 50 x 5 | 1b 50 x 5 | 1b 50 x 5 | ■ |
| | I (A) | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | |
| MTZ1 08 | Size per phase | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | ■ |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | |
| MTZ1 10 | Size per phase | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | ■ |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | |
| MTZ1 12 | Size per phase | 3b 50 x 5 | 3b 50 x 5 | 3b 50 x 5 | 3b 50 x 5 | 3b 50 x 5 | 3b 50 x 5 | 3b 50 x 5 | 3b 50 x 5 | 3b 50 x 5 | 3b 50 x 5 | 3b 50 x 5 | ■ |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1200 | 1250 | |
| MTZ1 16 ⁽¹⁾ | Size per phase | 4b 50 x 5 | 4b 50 x 5 | 4b 50 x 5 | 4b 50 x 5 | 4b 50 x 5 | 4b 50 x 5 | 4b 50 x 5 | 4b 50 x 5 | 4b 50 x 5 | 4b 50 x 5 | 4b 50 x 5 | ■ |
| | I (A) | 1600 | 1570 | 1600 | 1520 | 1570 | 1470 | 1520 | 1420 | 1470 | 1370 | 1420 | |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Horizontal link

Flat bars, 5 mm thick

| Device | | Permissible current (A) | | | | | | | | | | | |
|---------|----------------|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|
| | | Ambient temperature around the switchboard | | | | | | | | | | | |
| | | 25 °C | | 30 °C | | 35 °C | | 40 °C | | 45 °C | | 50 °C | |
| | | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 |
| MTZ1 06 | Size per phase | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | ■ |
| | I (A) | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | |
| MTZ1 08 | Size per phase | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | ■ |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | |
| MTZ1 10 | Size per phase | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | ■ |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | |
| MTZ1 12 | Size per phase | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | ■ |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1200 | 1250 | |
| MTZ1 16 | Size per phase | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | ■ |
| | I (A) | 1600 | 1570 | 1600 | 1520 | 1570 | 1470 | 1520 | 1420 | 1470 | 1370 | 1420 | |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

(1) Make the neutral connection with two bars, 50 x 5 mm.

Note: The values indicated above have been validated for PrismaSeT P switchboards.

Designing connections between a device and busbars

Fixed MasterPact 06-16

Electrical characteristics

Connection

Flat bars, 10 mm thick

| Device | | Permissible current (A) | | | | | | | | | | | |
|------------------------|----------------|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|---------|
| | | Ambient temperature around the switchboard | | | | | | | | | | | |
| | | 25 °C | | 30 °C | | 35 °C | | 40 °C | | 45 °C | | 50 °C | |
| | | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 |
| MTZ1 06 | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | ■ |
| | I (A) | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | |
| MTZ1 08 | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | ■ |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | |
| MTZ1 10 | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | ■ |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | |
| MTZ1 12 | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | ■ |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1180 | 1230 | |
| MTZ1 16 ⁽¹⁾ | Size per phase | 2b 50 x 10 | 2b 50 x 10 | 2b 50 x 10 | 2b 50 x 10 | 2b 50 x 10 | 2b 50 x 10 | 2b 50 x 10 | 2b 50 x 10 | 2b 50 x 10 | 2b 50 x 10 | 2b 50 x 10 | ■ |
| | I (A) | 1600 | 1570 | 1600 | 1520 | 1570 | 1470 | 1520 | 1420 | 1470 | 1370 | 1420 | |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Horizontal link

Flat bars, 10 mm thick

| Device | | Permissible current (A) | | | | | | | | | | | |
|---------|----------------|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|---------|
| | | Ambient temperature around the switchboard | | | | | | | | | | | |
| | | 25 °C | | 30 °C | | 35 °C | | 40 °C | | 45 °C | | 50 °C | |
| | | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 |
| MTZ1 06 | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | ■ |
| | I (A) | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | |
| MTZ1 08 | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | ■ |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | |
| MTZ1 10 | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | ■ |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 960 | 1000 | |
| MTZ1 12 | Size per phase | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | ■ |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1250 | 1210 | 1250 | 1160 | 1210 | 1180 | 1230 | |
| MTZ1 16 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | ■ |
| | I (A) | 1600 | 1570 | 1600 | 1520 | 1570 | 1470 | 1520 | 1420 | 1470 | 1370 | 1420 | |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

(1) Make the neutral connection with one bar, 50 x 10 mm.

Note: The values indicated above have been validated for PrismaSeT P switchboards.

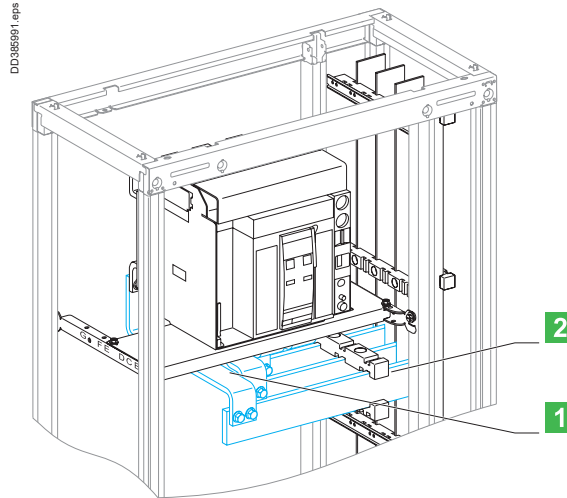
Designing connections between a device and busbars

Drawout MasterPact 06-16

Electrical characteristics

MasterPact MTZ1 06 to 16
 MasterPact MTZ1 06 to 16
 Drawout

Vertical busbars on the left or right
 Linergy LGYE busbar
 Connections drawings supplied by
 Schneider Electric



- 1 Connection.
- 2 Horizontal link.

Using the data below, it is possible to determine the size of the copper bars and the maximum permissible currents when making the connections to busbars for a vertical, drawout MasterPact MTZ1 06/16, taking into account the ambient temperature around the switchboard and the IP value.

Connection

Flat bars, 5 mm thick

| Device | Permissible current (A) | Ambient temperature around the switchboard | | | | | | | | | | | |
|------------------------|-------------------------|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|
| | | 25 °C | | 30 °C | | 35 °C | | 40 °C | | 45 °C | | 50 °C | |
| | | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 |
| MTZ1 06 | Size per phase | 1b 50 x 5 | 1b 50 x 5 | 1b 50 x 5 | 1b 50 x 5 | 1b 50 x 5 | 1b 50 x 5 | 1b 50 x 5 | 1b 50 x 5 | 1b 50 x 5 | 1b 50 x 5 | 1b 50 x 5 | ■ |
| | I (A) | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | |
| MTZ1 08 | Size per phase | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | ■ |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | |
| MTZ1 10 | Size per phase | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | ■ |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 960 | 1000 | |
| MTZ1 12 | Size per phase | 3b 50 x 5 | 3b 50 x 5 | 3b 50 x 5 | 3b 50 x 5 | 3b 50 x 5 | 3b 50 x 5 | 3b 50 x 5 | 3b 50 x 5 | 3b 50 x 5 | 3b 50 x 5 | 3b 50 x 5 | ■ |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1250 | 1230 | 1250 | 1180 | 1230 | 1130 | 1180 | |
| MTZ1 16 ⁽¹⁾ | Size per phase | 4b 50 x 5 | 4b 50 x 5 | 4b 50 x 5 | 4b 50 x 5 | 4b 50 x 5 | 4b 50 x 5 | 4b 50 x 5 | 4b 50 x 5 | 4b 50 x 5 | 4b 50 x 5 | 4b 50 x 5 | ■ |
| | I (A) | 1560 | 1430 | 1520 | 1430 | 1480 | 1380 | 1430 | 1330 | 1380 | 1280 | 1330 | |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Horizontal link

Flat bars, 5 mm thick

| Device | Permissible current (A) | Ambient temperature around the switchboard | | | | | | | | | | | |
|---------|-------------------------|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|
| | | 25 °C | | 30 °C | | 35 °C | | 40 °C | | 45 °C | | 50 °C | |
| | | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 |
| MTZ1 06 | Size per phase | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | ■ |
| | I (A) | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | |
| MTZ1 08 | Size per phase | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | ■ |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | |
| MTZ1 10 | Size per phase | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | ■ |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 960 | 1000 | |
| MTZ1 12 | Size per phase | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | ■ |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1250 | 1230 | 1250 | 1180 | 1230 | 1130 | 1180 | |
| MTZ1 16 | Size per phase | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | ■ |
| | I (A) | 1560 | 1430 | 1520 | 1430 | 1480 | 1380 | 1430 | 1330 | 1380 | 1280 | 1330 | |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

(1) Make the neutral connection with two bars, 50 x 5 mm.

Note: The values indicated above have been validated for PrismaSeT P switchboards.

Designing connections between a device and busbars

Drawout MasterPact 06-16

Electrical characteristics

Connection

Flat bars, 10 mm thick

| Device | | Permissible current (A) | | | | | | | | | | | |
|------------------------|----------------|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | Ambient temperature around the switchboard | | | | | | | | | | | |
| | | 25 °C | | 30 °C | | 35 °C | | 40 °C | | 45 °C | | 50 °C | |
| | | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 |
| MTZ1 06 | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 |
| | I (A) | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 |
| MTZ1 08 | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 |
| MTZ1 10 | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 960 | 1000 | 1000 |
| MTZ1 12 | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1250 | 1210 | 1250 | 1160 | 1210 | 1110 | 1160 | 1160 |
| MTZ1 16 ⁽¹⁾ | Size per phase | 2b 50 x 10 | 2b 50 x 10 | 2b 50 x 10 | 2b 50 x 10 | 2b 50 x 10 | 2b 50 x 10 | 2b 50 x 10 | 2b 50 x 10 | 2b 50 x 10 | 2b 50 x 10 | 2b 50 x 10 | 2b 50 x 10 |
| | I (A) | 1560 | 1430 | 1520 | 1430 | 1480 | 1380 | 1430 | 1330 | 1380 | 1280 | 1330 | 1330 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Horizontal link

Flat bars, 10 mm thick

| Device | | Permissible current (A) | | | | | | | | | | | |
|---------|----------------|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | Ambient temperature around the switchboard | | | | | | | | | | | |
| | | 25 °C | | 30 °C | | 35 °C | | 40 °C | | 45 °C | | 50 °C | |
| | | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 |
| MTZ1 06 | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 |
| | I (A) | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 |
| MTZ1 08 | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 |
| MTZ1 10 | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 960 | 1000 | 1000 |
| MTZ1 12 | Size per phase | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1250 | 1210 | 1250 | 1160 | 1210 | 1110 | 1160 | 1160 |
| MTZ1 16 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 1560 | 1430 | 1520 | 1430 | 1480 | 1380 | 1430 | 1330 | 1380 | 1280 | 1330 | 1330 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

⁽¹⁾ Make the neutral connection with one bar, 50 x 10 mm.

Note: The values indicated above have been validated for PrismaSeT P switchboards.

Designing connections ≤ 630 A

Device connections

Electrical characteristics

Flexible copper bars with an insulating sheath

Switchboards that comply with standard IEC 61439-1/2

It is imperative to use the values indicated below that have been validated for the installation of devices in PrismaSeT switchboards.

The parameters determining the size of flexible bars are:

- The environment in which the devices are installed:
 - Position in the enclosure
 - Dimensions of other conductors in the circuit
 - Ambient temperature around the switchboard
- The characteristics of the connected devices:
 - Device heat losses
 - The type of installation (horizontal or vertical)

Only the equipment manufacturer with in-depth knowledge on:

- The characteristics of the installed devices.
- The configuration of the installation in the enclosure can provide the correct sizes of flexible bars for a given permissible current.

Insulated, flexible bars make for easy, fast and flexible implementation up to 630 A, but higher ratings require sizes that cancel these advantages.

For high I_{sc} values, it is advised to use rigid bars which require fewer supports.

Insulated flexible bars are better than cables, they offer:

- Better insulation temperature withstand (125 °C for bars, 105 °C for cables) and a larger exchange surface for an equivalent size, i.e. a smaller size for a given current.
- Greater rigidity offering better electrodynamic characteristics for short-circuit currents.
- No intermediate parts (lugs) for a direct connection between the device and the busbars therefore less temperature rise and less risk of error.
- Fast implementation of prefabricated connections already cut to length, formed and drilled.
- Length limited to 500 mm.

Technical characteristics

- Thickness of the insulation: variable depending on the bar size, 2 mm on average
- Rated insulation level U_i = 1000 V
- Impulse withstand voltage U_{imp} = 12 kV
- Maximum withstand temperature of insulating material = 125 °C.

Connection

In all cubicles with IP ≤ 55 :

- The switchboard internal temperature is 60 °C.
- The withstand temperature of the insulating material is 125 °C.

If the withstand temperature of the insulation is only 105 °C, use the next largest size of flexible bar given for standard insulated flexible bars (withstand temperature = 125 °C).

The bar sizes indicated below take into account the derating curves of devices.

Note: The values indicated above have been validated for PrismaSeT P switchboards.

Designing connections ≤ 630 A

ComPacT circuit breakers NSX100 to NSX630

Insulated flexible copper bars ⁽¹⁾

Electrical characteristics

ComPacT NSX100 to NSX630

Insulated flexible copper bars (withstand temperature = 125 °C)

We recommend insulated flexible copper bars for ComPacT NSX connections from 100 to 630 A

| Devices | | Permissible current (A) | | | | | |
|--------------------------------|---------------------|--|--------|--------|--------|--------|--------|
| | | Ambient temperature around the switchboard | | | | | |
| | | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| IP ≤ 31 | | | | | | | |
| NSX100 TMD-TMG | Size per phase | 20 x 2 | 20 x 2 | 20 x 2 | 20 x 2 | 20 x 2 | 20 x 2 |
| | I _{nc} (A) | 100 | 100 | 100 | 97.5 | 95 | 92.5 |
| NSX125 TMD-TMG | Size per phase | 20 x 2 | 20 x 2 | 20 x 2 | 20 x 2 | 20 x 2 | 20 x 2 |
| | I _{nc} (A) | 125 | 125 | 125 | 122 | 119 | 115 |
| NSX160 TMD-TMG | Size per phase | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 |
| | I _{nc} (A) | 160 | 160 | 160 | 156 | 152 | 148 |
| NSX250 TMD-TMG | Size per phase | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 |
| | I _{nc} (A) | 250 | 244 | 238 | 231 | 225 | 219 |
| NSX100 STR | Size per phase | 20 x 2 | 20 x 2 | 20 x 2 | 20 x 2 | 20 x 2 | 20 x 2 |
| | I _{nc} (A) | 100 | 100 | 100 | 100 | 100 | 100 |
| NSX160 STR | Size per phase | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 |
| | I _{nc} (A) | 160 | 160 | 160 | 160 | 160 | 160 |
| NSX250 STR | Size per phase | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 |
| | I _{nc} (A) | 250 | 245 | 237 | 230 | 225 | 220 |
| NSX400B/F/N/H/S/L fixed | Size per phase | 32 x 5 | 32 x 5 | 32 x 5 | 32 x 5 | 32 x 5 | 32 x 5 |
| | I _{nc} (A) | 400 | 400 | 400 | 390 | 380 | 370 |
| NSX630B/F/N/H/S/L fixed | Size per phase | 32 x 6 | 32 x 6 | 32 x 6 | 32 x 6 | 32 x 6 | 32 x 6 |
| | I _{nc} (A) | 630 | 615 | 600 | 585 | 570 | 550 |
| IP > 31 | | | | | | | |
| NSX100 TMD-TMG | Size per phase | 20 x 2 | 20 x 2 | 20 x 2 | 20 x 2 | 20 x 2 | 20 x 2 |
| | I _{nc} (A) | 100 | 100 | 100 | 97.5 | 95 | 92.5 |
| NSX125 TMD-TMG | Size per phase | 20 x 2 | 20 x 2 | 20 x 2 | 20 x 2 | 20 x 2 | 20 x 2 |
| | I _{nc} (A) | 125 | 125 | 125 | 122 | 119 | 115 |
| NSX160 TMD-TMG | Size per phase | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 |
| | I _{nc} (A) | 160 | 160 | 160 | 156 | 152 | 148 |
| NSX250 TMD-TMG | Size per phase | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 |
| | I _{nc} (A) | 238 | 231 | 225 | 219 | 213 | 207 |
| NSX100 STR | Size per phase | 20 x 2 | 20 x 2 | 20 x 2 | 20 x 2 | 20 x 2 | 20 x 2 |
| | I _{nc} (A) | 100 | 100 | 100 | 100 | 100 | 100 |
| NSX160 STR | Size per phase | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 |
| | I _{nc} (A) | 160 | 160 | 160 | 160 | 160 | 160 |
| NSX250 STR | Size per phase | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 |
| | I _{nc} (A) | 237 | 230 | 225 | 220 | 215 | 210 |
| NSX400B/F/N/H/S/L fixed | Size per phase | 32 x 5 | 32 x 5 | 32 x 5 | 32 x 5 | 32 x 5 | 32 x 5 |
| | I _{nc} (A) | 400 | 400 | 400 | 390 | 380 | 370 |
| NSX630B/F/N/H/S/L fixed | Size per phase | 32 x 6 | 32 x 6 | 32 x 6 | 32 x 6 | 32 x 6 | 32 x 6 |
| | I _{nc} (A) | 600 | 585 | 570 | 550 | 535 | 520 |

Note: The values indicated above have been validated for PrismaSet P switchboards.

⁽¹⁾ We recommend insulated flexible copper bars instead of copper cables for all NSX100 to NSX630 connection.

Designing connections ≤ 630 A

ComPacT circuit breakers NSX100 to NSX250

Copper cable

Electrical characteristics

Cables: practical guidelines

This section doesn't concern customer's loads connection (see IEC 61439-1, IEC 60364).

Schneider Electric provides cabling recommendations according to the rating of the circuit breaker.

The size of cables must be selected according to:

- The level of current
- The ambient temperature around the conductors
- The degree of protection for the switchboard

The tables below take into account the installation conditions for each type of device (permissible temperature at connection terminals, etc.).

They follow the temperature derating values for installed devices in all cubicles with cover panels rated IP ≤ 55 .

- Switchboard internal temperature 60 °C
- Connections using copper cables

The withstand temperature of insulating material of cable = 105 °C.

The withstand voltage of insulating material of cable ≥ 1000 V.

ComPacT NSX100 to NSX250

Copper cable, withstand temperature = 105 °C

| Devices | | Permissible current (A) | | | | | |
|--------------------------------|---------------------|--|---------------------|---------------------|---------------------|---------------------|---------------------|
| | | Ambient temperature around the switchboard | | | | | |
| | | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| IP ≤ 31 | | | | | | | |
| NSX100 TMD-TMG | Size per phase | 50 mm ² | 50 mm ² | 50 mm ² | 50 mm ² | 50 mm ² | 50 mm ² |
| | I _{nc} (A) | 100 | 100 | 100 | 97.5 | 95 | 92.5 |
| NSX125 TMD-TMG | Size per phase | 70 mm ² | 70 mm ² | 70 mm ² | 70 mm ² | 70 mm ² | 70 mm ² |
| | I _{nc} (A) | 125 | 125 | 125 | 122 | 119 | 115 |
| NSX160 TMD-TMG | Size per phase | 95 mm ² | 95 mm ² | 95 mm ² | 95 mm ² | 95 mm ² | 95 mm ² |
| | I _{nc} (A) | 160 | 160 | 160 | 156 | 152 | 148 |
| NSX250 TMD-TMG | Size per phase | 120 mm ² | 120 mm ² | 120 mm ² | 120 mm ² | 120 mm ² | 120 mm ² |
| | I _{nc} (A) | 250 | 244 | 238 | 231 | 225 | 219 |
| NSX100 STR | Size per phase | 50 mm ² | 50 mm ² | 50 mm ² | 50 mm ² | 50 mm ² | 50 mm ² |
| | I _{nc} (A) | 100 | 100 | 100 | 100 | 100 | 100 |
| NSX160 STR | Size per phase | 95 mm ² | 95 mm ² | 95 mm ² | 95 mm ² | 95 mm ² | 95 mm ² |
| | I _{nc} (A) | 160 | 160 | 160 | 160 | 160 | 160 |
| NSX250 STR | Size per phase | 120 mm ² | 120 mm ² | 120 mm ² | 120 mm ² | 120 mm ² | 120 mm ² |
| | I _{nc} (A) | 250 | 245 | 237 | 230 | 225 | 220 |
| IP > 31 | | | | | | | |
| NSX100 TMD-TMG | Size per phase | 50 mm ² | 50 mm ² | 50 mm ² | 50 mm ² | 50 mm ² | 50 mm ² |
| | I _{nc} (A) | 100 | 100 | 100 | 97.5 | 95 | 92.5 |
| NSX125 TMD-TMG | Size per phase | 70 mm ² | 70 mm ² | 70 mm ² | 70 mm ² | 70 mm ² | 70 mm ² |
| | I _{nc} (A) | 125 | 125 | 125 | 122 | 119 | 115 |
| NSX160 TMD-TMG | Size per phase | 95 mm ² | 95 mm ² | 95 mm ² | 95 mm ² | 95 mm ² | 95 mm ² |
| | I _{nc} (A) | 160 | 160 | 160 | 156 | 152 | 148 |
| NSX250 TMD-TMG | Size per phase | 120 mm ² | 120 mm ² | 120 mm ² | 120 mm ² | 120 mm ² | 120 mm ² |
| | I _{nc} (A) | 237 | 230 | 225 | 220 | 215 | 210 |
| NSX100 STR | Size per phase | 50 mm ² | 50 mm ² | 50 mm ² | 50 mm ² | 50 mm ² | 50 mm ² |
| | I _{nc} (A) | 100 | 100 | 100 | 100 | 100 | 100 |
| NSX160 STR | Size per phase | 95 mm ² | 95 mm ² | 95 mm ² | 95 mm ² | 95 mm ² | 95 mm ² |
| | I _{nc} (A) | 160 | 160 | 160 | 160 | 160 | 160 |
| NSX250 STR | Size per phase | 120 mm ² | 120 mm ² | 120 mm ² | 120 mm ² | 120 mm ² | 120 mm ² |
| | I _{nc} (A) | 237 | 230 | 225 | 220 | 215 | 210 |

Note: The values indicated above have been validated for PrismaSeT P switchboards.

Note: Schneider Electric recommends connecting ComPacT NSX400/630 circuit breakers with insulated flexible bars or rigid bars > [page C-125](#).

Designing connections ≤ 630 A

ComPacT circuit breakers NSXm up to 63

Copper cable

Electrical characteristics

ComPacT NSXm up to 63

Copper cable, withstand temperature = 105°C

| Devices | | Permissible current (A) | | | | | |
|--------------------------------|-----------------------------------|--|-------|-------|-------|-------|-------|
| | | Ambient temperature around the switchboard | | | | | |
| | | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| IP \leq 31 | | | | | | | |
| NSXm 63 | Size per phase (mm ²) | 50 | 50 | 50 | 50 | 50 | 50 |
| | I _{nc} (A) | 100 | 100 | 96 | 94 | 90 | 87 |
| IP > 31 | | | | | | | |
| NSXm 63 | Size per phase (mm ²) | 50 | 50 | 50 | 50 | 50 | 50 |
| | I _{nc} (A) | 100 | 100 | 96 | 94 | 90 | 87 |

Note: The values indicated above have been validated for PrismaSeT P switchboards.

C

Designing cable connections

Tubular lugs

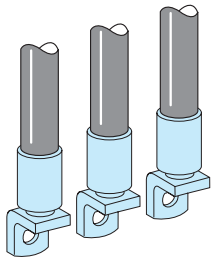
Electrical characteristics

Tubular lugs for incoming connection blocks

Maximum size of lugs for connection to the different incoming connection blocks.

| | Standard Cu lugs | Narrow Cu lugs | Narrow bimetal lugs |
|---|---------------------|---------------------|---------------------|
| Incoming connection block for ComPacT NSX-INS-INV250 supplied via the top or the bottom, cat. no. LVS04066 and LVS04067 | 150 mm ² | 240 mm ² | 185 mm ² |
| In-duct incoming connection block for ComPacT NSX630 supplied via the top or the bottom cat. no. LVS04076 | 240 mm ² | 300 mm ² | 300 mm ² |

DD382788.eps



Narrow bimetal lugs

Cat. no. selection

| Cat. no. | Cable size (mm ²) | Quantity |
|--|-------------------------------|----------|
| Lugs for aluminium cable ⁽¹⁾ | | |
| 29504 | 150 | 3 |
| 29505 | 150 | 4 |
| 29506 | 185 | 3 |
| 29507 | 185 | 4 |
| 32504 | 240 | 3 |
| 32505 | 240 | 4 |
| 32506 | 300 | 3 |
| 32507 | 300 | 4 |

Customer connection of devices ≥ 630 A

Maximum size and number of cables for connection to terminal extension bars (according to busbar drawing supplied) for customer connection of ComPacT NSX and MasterPact MTZ1 /MTZ2 devices.

| | Cable size (mm ²) | Quantity |
|----------------------------------|-------------------------------|----------|
| Size and number of cables | | |
| Copper lugs | 300 | 12 |
| Bimetal lugs | 240 | 12 |

(1) Supplied with 2 or 3 interphase barriers.

Designing customer connections

Prefabricated connections for MasterPact 06-16

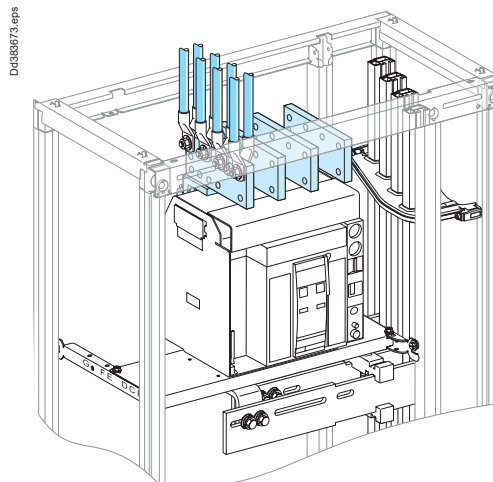
Electrical characteristics

MasterPact MTZ1 06 to 16

Vertical mounting

Front or rear connection

Incoming via top or bottom



Using the data below, it is possible to determine the permissible current for a prefabricated connection between a vertical MasterPact MTZ1 06/16, fixed or drawout, and Linergy busbars depending on the ambient temperature around the switchboard and the IP value.

Fixed

Prefabricated connections

| Device and cat. no. | Permissible current (A) | | | | | | | | | | | | |
|--------------------------------------|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|
| | Ambient temperature around the switchboard | | | | | | | | | | | | |
| | 25 °C | | 30 °C | | 35 °C | | 40 °C | | 45 °C | | 50 °C | | |
| | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | |
| MTZ1 06 3P cat. no. 33642 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | ■ |
| 4P cat. no. 33643 | | | | | | | | | | | | | |
| MTZ1 08 3P cat. no. 33642 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | ■ |
| 4P cat. no. 33643 | | | | | | | | | | | | | |
| MTZ1 10 3P cat. no. 33642 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | ■ |
| 4P cat. no. 33643 | | | | | | | | | | | | | |
| MTZ1 12 3P réf. 33642 + 33644 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1200 | 1250 | 1150 | 1200 | ■ | |
| 4P réf. 33643 + 33645 | | | | | | | | | | | | | |
| MTZ1 16 3P réf. 33642 + 33644 | 1600 | 1570 | 1600 | 1520 | 1570 | 1470 | 1520 | 1420 | 1470 | 1370 | 1420 | ■ | |
| 4P réf. 33643 + 33645 | | | | | | | | | | | | | |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Withdrawable

Prefabricated connections

| Device and cat. no. | Permissible current (A) | | | | | | | | | | | | |
|--------------------------------------|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|
| | Ambient temperature around the switchboard | | | | | | | | | | | | |
| | 25 °C | | 30 °C | | 35 °C | | 40 °C | | 45 °C | | 50 °C | | |
| | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | |
| MTZ1 06 3P cat. no. 33642 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | ■ |
| 4P cat. no. 33643 | | | | | | | | | | | | | |
| MTZ1 08 3P cat. no. 33642 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | ■ |
| 4P cat. no. 33643 | | | | | | | | | | | | | |
| MTZ1 10 3P cat. no. 33642 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | ■ |
| 4P cat. no. 33643 | | | | | | | | | | | | | |
| MTZ1 12 3P réf. 33642 + 33644 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1200 | 1250 | 1150 | 1200 | ■ | |
| 4P réf. 33643 + 33645 | | | | | | | | | | | | | |
| MTZ1 16 3P réf. 33642 + 33644 | 1560 | 1480 | 1520 | 1430 | 1480 | 1380 | 1430 | 1330 | 1380 | 1280 | 1330 | ■ | |
| 4P réf. 33643 + 33645 | | | | | | | | | | | | | |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Note: The values indicated above have been validated for PrismaSeT P switchboards.

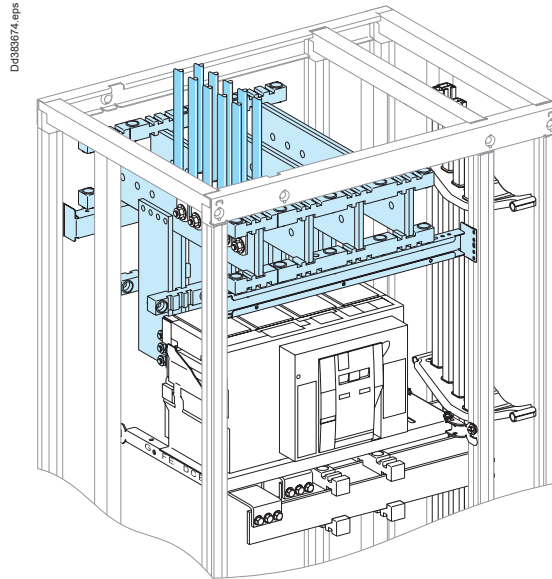
Designing customer connections

Fixed MasterPact 08-16

Electrical characteristics

MasterPact MTZ2 08 to 16 Fixed

- Vertical mounting
- Front or rear connection
- Incoming via top or bottom
- Busbar drawings supplied by Schneider Electric



Using the data below, it is possible to determine the size of the copper bars and the maximum permissible currents when making a front or rear customer connection for a vertical, fixed MasterPact MTZ1 06/16, taking into account the ambient temperature around the switchboard and the IP value. Connection to be made according to the busbar drawings supplied. For connection cable cross-sections and quantities > page C-128.

Customer connection

Flat bars, 5 mm thick

| Device | | Permissible current (A) | | | | | | | | | | | |
|---------|----------------|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|
| | | Ambient temperature around the switchboard | | | | | | | | | | | |
| | | 25 °C | | 30 °C | | 35 °C | | 40 °C | | 45 °C | | 50 °C | |
| | | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 |
| MTZ2 08 | Size per phase | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | ■ |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | |
| MTZ2 10 | Size per phase | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | ■ |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | |
| MTZ2 12 | Size per phase | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | ■ |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | |
| MTZ2 16 | Size per phase | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | ■ |
| | I (A) | 1600 | 1600 | 1600 | 1570 | 1600 | 1520 | 1570 | 1470 | 1520 | 1420 | 1470 | |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Note: The values indicated above have been validated for PrismaSeT P switchboards.

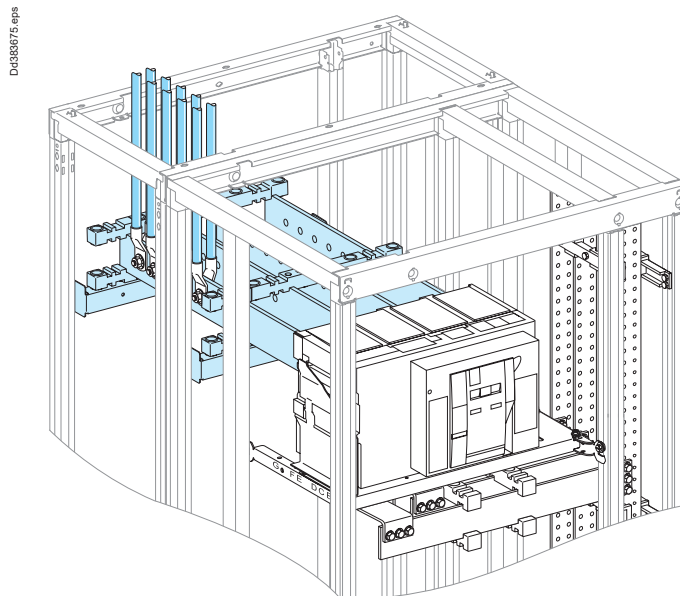
Designing customer connections

Fixed MasterPact 08-32

Electrical characteristics

MasterPact MTZ2 08 to 32 Fixed

- Vertical mounting
- Front or rear connection
- Incoming via top or bottom
- Busbar drawings supplied by Schneider Electric



Customer connection

Flat bars, 10 mm thick

| Device | | Permissible current (A) | | | | | | | | | | | |
|---------|----------------|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | Ambient temperature around the switchboard | | | | | | | | | | | |
| | | 25 °C | | 30 °C | | 35 °C | | 40 °C | | 45 °C | | 50 °C | |
| | | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 |
| MTZ2 08 | Size per phase | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 |
| MTZ2 10 | Size per phase | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| MTZ2 12 | Size per phase | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 |
| MTZ2 16 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 1600 | 1600 | 1600 | 1570 | 1600 | 1520 | 1570 | 1470 | 1520 | 1420 | 1470 | 1470 |
| MTZ2 20 | Size per phase | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 |
| | I (A) | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 1950 | 2000 | 1900 | 1950 | 1950 |
| MTZ2 25 | Size per phase | 2b 100 x 10 | 2b 100 x 10 | 2b 100 x 10 | 2b 100 x 10 | 2b 100 x 10 | 2b 100 x 10 | 2b 100 x 10 | 2b 100 x 10 | 2b 100 x 10 | 2b 100 x 10 | 2b 100 x 10 | 2b 100 x 10 |
| | I (A) | 2500 | 2500 | 2500 | 2500 | 2500 | 2460 | 2500 | 2380 | 2500 | 2300 | 2460 | 2460 |
| MTZ2 32 | Size per phase | 2b 120 x 10 | 2b 120 x 10 | 2b 120 x 10 | 2b 120 x 10 | 2b 120 x 10 | 2b 120 x 10 | 2b 120 x 10 | 2b 120 x 10 | 2b 120 x 10 | 2b 120 x 10 | 2b 120 x 10 | 2b 120 x 10 |
| | I (A) | 3200 | 3000 | 3170 | 2910 | 3080 | 2820 | 3000 | 2730 | 2910 | 2630 | 2820 | 2820 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Canalis connection

For Canalis connections, apply the appropriate derating coefficient K.

| Device | MTZ2 08 | MTZ2 10 | MTZ2 12 | MTZ2 16 | MTZ2 20 | MTZ2 25 | MTZ2 32 |
|------------------------|---------|---------|---------|---------|---------|---------|---------|
| Derating coefficient K | 1 | 1 | 1 | 0,98 | 0,98 | 0,97 | 0,97 |

Note: The values indicated above have been validated for PrismaSeT P switchboards.

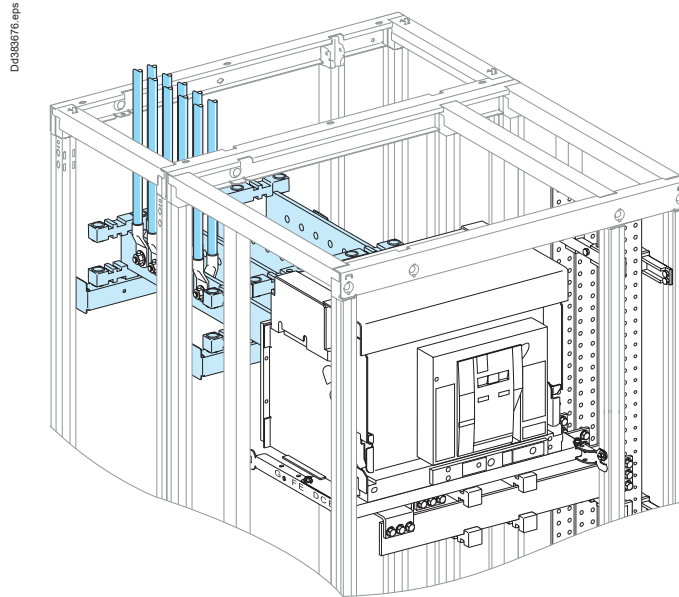
Designing customer connections

Drawout MasterPact 08-16

Electrical characteristics

MasterPact MTZ2 08 to 16 Drawout

- Vertical mounting
- Front or rear connection
- Incoming via top or bottom
- Busbar drawings supplied by Schneider Electric



Using the data below, it is possible to determine the size of the copper bars and the maximum permissible currents when making a front or rear customer connections to busbars for a vertical, drawout MasterPact MTZ1 08/16, taking into account the ambient temperature around the switchboard and the IP value. Connection to be made according to the busbar drawings supplied. For connection cable cross-sections and quantities > [page C-128](#).

Customer connection

Flat bars, 5 mm thick

| Device | | Permissible current (A) | | | | | | | | | | | |
|---------|----------------|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | Ambient temperature around the switchboard | | | | | | | | | | | |
| | | 25 °C | | 30 °C | | 35 °C | | 40 °C | | 45 °C | | 50 °C | |
| | | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 |
| MTZ2 08 | Size per phase | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 |
| MTZ2 10 | Size per phase | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| MTZ2 12 | Size per phase | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1250 | 1230 | 1250 | 1200 | 1230 | 1160 | 1200 | 1200 |
| MTZ2 16 | Size per phase | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 |
| | I (A) | 1560 | 1480 | 1520 | 1430 | 1480 | 1380 | 1430 | 1330 | 1380 | 1280 | 1330 | 1330 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Note: The values indicated above have been validated for PrismaSeT P switchboards.

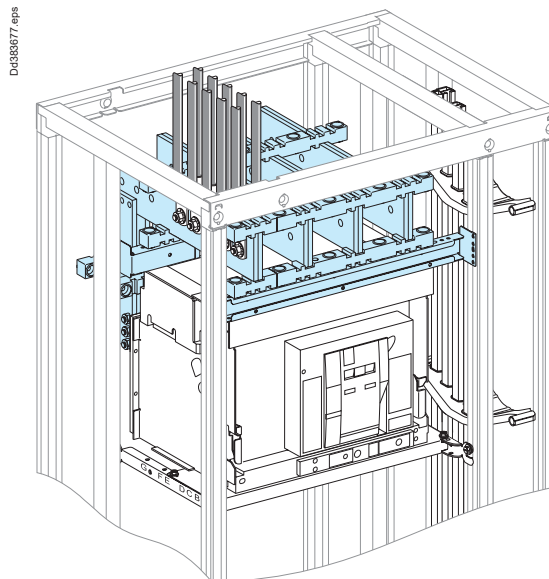
Designing customer connections

MasterPact 08-32 withdrawable

Electrical characteristics

MasterPact MTZ2 08 to 32 Drawout

- Vertical mounting
- Front or rear connection
- Incoming via top or bottom
- Busbar drawings supplied by Schneider Electric



Customer connection

Flat bars, 10 mm thick

| Device | | Permissible current (A) | | | | | | | | | | | | |
|---------|----------------|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|---|
| | | Ambient temperature around the switchboard | | | | | | | | | | | | |
| | | 25 °C | | 30 °C | | 35 °C | | 40 °C | | 45 °C | | 50 °C | | |
| | | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | |
| MTZ2 08 | Size per phase | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | ■ |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | |
| MTZ2 10 | Size per phase | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | ■ |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | |
| MTZ2 12 | Size per phase | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | ■ |
| | I (A) | 1250 | 1250 | 1250 | 1210 | 1250 | 1180 | 1210 | 1140 | 1180 | 1100 | 1140 | | |
| MTZ2 16 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | ■ |
| | I (A) | 1560 | 1480 | 1520 | 1430 | 1480 | 1380 | 1430 | 1330 | 1380 | 1280 | 1330 | | |
| MTZ2 20 | Size per phase | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | ■ |
| | I (A) | 2000 | 2000 | 2000 | 1950 | 2000 | 1900 | 1950 | 1830 | 1900 | 1760 | 1830 | | |
| MTZ2 25 | Size per phase | 2b100 x 10 | 2b100 x 10 | 2b100 x 10 | 2b100 x 10 | 2b100 x 10 | 2b100 x 10 | 2b100 x 10 | 2b100 x 10 | 2b100 x 10 | 2b100 x 10 | 2b100 x 10 | 2b100 x 10 | ■ |
| | I (A) | 2470 | 2280 | 2410 | 2210 | 2350 | 2140 | 2280 | 2070 | 2210 | 2000 | 2140 | | |
| MTZ2 32 | Size per phase | 2b120 x 10 | 2b120 x 10 | 2b120 x 10 | 2b120 x 10 | 2b120 x 10 | 2b120 x 10 | 2b120 x 10 | 2b120 x 10 | 2b120 x 10 | 2b120 x 10 | 2b120 x 10 | 2b120 x 10 | ■ |
| | I (A) | 2960 | 2730 | 2890 | 2630 | 2820 | 2530 | 2730 | 2450 | 2630 | 2370 | 2530 | | |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Canalis connection

For Canalis connections, apply the appropriate derating coefficient K.

| Device | MTZ2 08 | MTZ2 10 | MTZ2 12 | MTZ2 16 | MTZ2 20 | MTZ2 25 | MTZ2 32 |
|------------------------|---------|---------|---------|---------|---------|---------|---------|
| Derating coefficient K | 1 | 1 | 1 | 0,98 | 0,98 | 0,97 | 0,97 |

Note: The values indicated above have been validated for PrismaSeT P switchboards.

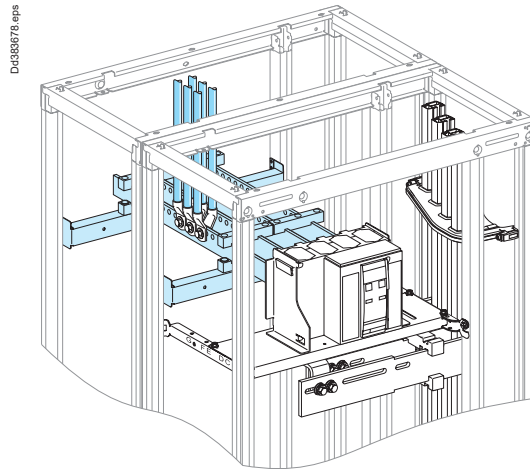
Designing customer connections

Fixed MasterPact 06-16

Electrical characteristics

MasterPact MTZ1 06 to 16 Fixed

Rear connection
Incoming via top or bottom
Busbar drawings supplied by
Schneider Electric



Using the data below, it is possible to determine the size of the copper bars and the maximum permissible currents when making a front or rear customer connections to busbars for a vertical, fixed MasterPact MTZ1 06/16, taking into account the ambient temperature around the switchboard and the IP value.
Connection to be made according to the busbar drawings supplied.
For connection cable cross-sections and quantities > [page C-128](#).

Customer connection

Flat bars, 5 mm thick

| Device | Permissible current (A) | Ambient temperature around the switchboard | | | | | | | | | | | |
|---------|-------------------------|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|---------|
| | | 25 °C | | 30 °C | | 35 °C | | 40 °C | | 45 °C | | 50 °C | |
| | | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 |
| MTZ1 06 | Size per phase | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | ■ |
| | I (A) | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | |
| MTZ1 08 | Size per phase | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | ■ |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | |
| MTZ1 10 | Size per phase | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | ■ |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | |
| MTZ1 12 | Size per phase | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | ■ |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1200 | 1250 | |
| MTZ1 16 | Size per phase | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 | ■ |
| | I (A) | 1600 | 1570 | 1600 | 1520 | 1570 | 1470 | 1520 | 1420 | 1470 | 1370 | 1420 | |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Customer connection

Flat bars, 10 mm thick

| Device | Permissible current (A) | Ambient temperature around the switchboard | | | | | | | | | | | |
|---------|-------------------------|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|---------|
| | | 25 °C | | 30 °C | | 35 °C | | 40 °C | | 45 °C | | 50 °C | |
| | | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 |
| MTZ1 06 | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | ■ |
| | I (A) | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | |
| MTZ1 08 | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | ■ |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | |
| MTZ1 10 | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | ■ |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | |
| MTZ1 12 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | ■ |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1180 | 1230 | |
| MTZ1 16 | Size per phase | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 | ■ |
| | I (A) | 1600 | 1570 | 1600 | 1520 | 1570 | 1470 | 1520 | 1420 | 1470 | 1370 | 1420 | |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Canalis connection

For Canalis connections, apply the appropriate derating coefficient K.

| Device | MTZ1 06b | MTZ1 08 | MTZ1 10 | MTZ1 12 | MTZ1 16 |
|------------------------|----------|---------|---------|---------|---------|
| Derating coefficient K | 1 | 1 | 1 | 1 | 0,98 |

Note: The values indicated above have been validated for PrismaSeT P switchboards.

Designing customer connections

Drawout MasterPact 06-16

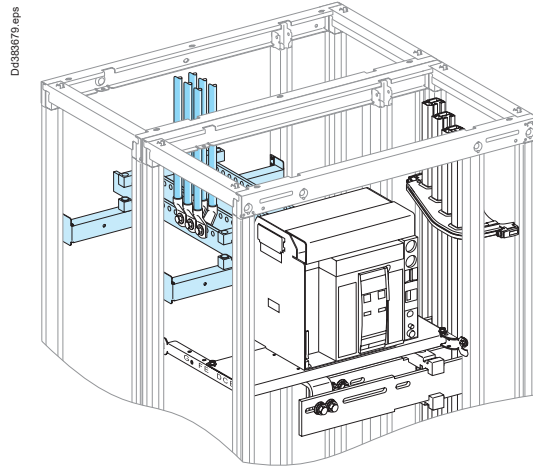
Electrical characteristics

MasterPact MTZ1 06 to 16

Rear connection

Incoming via top or bottom

Busbar drawings supplied by Schneider Electric



Using the data below, it is possible to determine the size of the copper bars and the maximum permissible currents when making a customer connections to busbars for a vertical, drawout MasterPact MTZ1 06/16, taking into account the ambient temperature around the switchboard and the IP value. Connection to be made according to the busbar drawings supplied. For connection cable cross-sections and quantities > page C-128.

Customer connection

Flat bars, 5 mm thick

| Device | | Permissible current (A) | | | | | | | | | | | |
|---------|----------------|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | Ambient temperature around the switchboard | | | | | | | | | | | |
| | | 25 °C | | 30 °C | | 35 °C | | 40 °C | | 45 °C | | 50 °C | |
| | | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 |
| MTZ1 06 | Size per phase | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 |
| | I (A) | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 |
| MTZ1 08 | Size per phase | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 |
| MTZ1 10 | Size per phase | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 960 | 1000 | 1000 |
| MTZ1 12 | Size per phase | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1250 | 1230 | 1250 | 1180 | 1230 | 1130 | 1180 | 1180 |
| MTZ1 16 | Size per phase | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 |
| | I (A) | 1560 | 1430 | 1520 | 1430 | 1480 | 1380 | 1430 | 1330 | 1380 | 1280 | 1330 | 1330 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Customer connection

Flat bars, 10 mm thick

| Device | | Permissible current (A) | | | | | | | | | | | |
|---------|----------------|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | Ambient temperature around the switchboard | | | | | | | | | | | |
| | | 25 °C | | 30 °C | | 35 °C | | 40 °C | | 45 °C | | 50 °C | |
| | | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 |
| MTZ1 06 | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 |
| | I (A) | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 |
| MTZ1 08 | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 |
| MTZ1 10 | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 960 | 1000 | 1000 |
| MTZ1 12 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1250 | 1210 | 1250 | 1160 | 1210 | 1110 | 1160 | 1160 |
| MTZ1 16 | Size per phase | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 |
| | I (A) | 1560 | 1430 | 1520 | 1430 | 1480 | 1380 | 1430 | 1330 | 1380 | 1280 | 1330 | 1330 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Canalis connection

For Canalis connections, apply the appropriate derating coefficient K.

| Device | MTZ1 06 | MTZ1 08 | MTZ1 10 | MTZ1 12 | MTZ1 16 |
|------------------------|---------|---------|---------|---------|---------|
| Derating coefficient K | 1 | 1 | 1 | 1 | 0,98 |

Note: The values indicated above have been validated for PrismaSeT P switchboards.

Version : 1.0 - 04/06/2026
690V7100



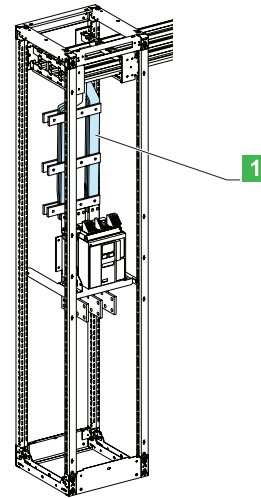
Designing connections between a device and busbars

Dedicated cubicle - W = 400 mm

Electrical characteristics

Fixed MasterPacT / MTZ1 06 to 16

Dedicated cubicle
 Linergy LGYE busbar
 Connections drawings supplied by Schneider Electric



1 Connection

Connection

Flat bars, 10 mm thick

| Device | | Permissible current (A) | | | | | | | | | | | | |
|----------------|----------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---|
| | | Ambient temperature (°C) | | | | | | | | | | | | |
| | | 25 °C | | 30 °C | | 35 °C | | 40 °C | | 45 °C | | 50 °C | | |
| Fixed NS, MTZ1 | | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | |
| MTZ1 630 | Size per phase | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | ■ |
| | Fixed I (A) | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | |
| MTZ1 800 | Size per phase | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | ■ |
| | Fixed I (A) | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | |
| MTZ1 1000 | Size per phase | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | ■ |
| | Fixed I (A) | 1000 | 1000 | 1000 | 1000 | 980 | 940 | 960 | 920 | 940 | 900 | 920 | | |
| MTZ1 1250 | Size per phase | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | ■ |
| | Fixed I (A) | 1240 | 1080 | 1200 | 1050 | 1160 | 1020 | 1125 | 980 | 1085 | 950 | 1040 | | |
| MTZ1 1600 | Size per phase | 2b 50x10 | 2b 50x10 | 2b 50x10 | 2b 50x10 | 2b 50x10 | 2b 50x10 | 2b 50x10 | 2b 50x10 | 2b 50x10 | 2b 50x10 | 2b 50x10 | 2b 50x10 | ■ |
| | Fixed I (A) | 1525 | 1380 | 1490 | 1345 | 1450 | 1310 | 1415 | 1275 | 1375 | 1240 | 1330 | | |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

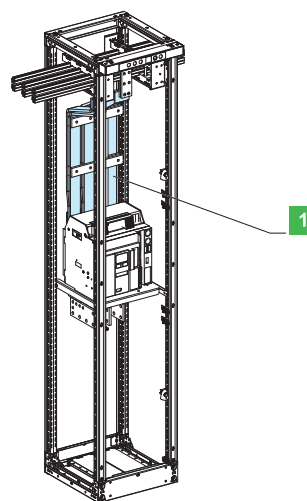
Designing connections between a device and busbars

Dedicated cubicle - W = 400 mm

Electrical characteristics

Drawout MasterPacT / MTZ1 06 to 16

Dedicated cubicle
 Linergy LGYE busbar
 Connections drawings supplied by Schneider Electric



1 Connection

Connection

Flat bars, 10 mm thick

| Device | | Permissible current (A) | | | | | | | | | | | | |
|------------------|----------------|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---|
| | | Ambient temperature (°C) | | | | | | | | | | | | |
| | | 25 °C | | 30 °C | | 35 °C | | 40 °C | | 45 °C | | 50 °C | | |
| Drawout NS, MTZ1 | | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | IP ≤ 31 | IP > 31 | |
| MTZ1 630 | Size per phase | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | ■ |
| | Drawout A (l) | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | 630 | |
| MTZ1 800 | Size per phase | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | ■ |
| | Drawout A (l) | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | |
| MTZ1 1000 | Size per phase | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | ■ |
| | Drawout A (l) | 1000 | 1000 | 1000 | 1000 | 980 | 940 | 960 | 920 | 940 | 900 | 920 | | |
| MTZ1 1250 | Size per phase | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | ■ |
| | Drawout A (l) | 1230 | 1070 | 1190 | 1040 | 1155 | 1005 | 1115 | 970 | 1075 | 935 | 1030 | | |
| MTZ1 1600 | Size per phase | 2b 50x10 | 2b 50x10 | 2b 50x10 | 2b 50x10 | 2b 50x10 | 2b 50x10 | 2b 50x10 | 2b 50x10 | 2b 50x10 | 2b 50x10 | 2b 50x10 | 2b 50x10 | ■ |
| | Drawout A (l) | 1515 | 1340 | 1480 | 1305 | 1440 | 1270 | 1400 | 1235 | 1355 | 1200 | 1315 | | |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

PrismaSeT P Internal Arc

PrismaSeT P Internal Arc

| | |
|----------|-----|
| Overview | D-2 |
| Cubicles | D-7 |

Internal Arc Linergy LGYE 66 kA

| | |
|------------------------------|-------|
| Functional Units | D-35 |
| Linerly Distribution Systems | D-81 |
| Functional Partitioning | D-117 |
| Additional Information | D-125 |

Internal Arc Linergy BS 50 kA

| |
|------------------------------|
| Functional Units |
| Linerly Distribution Systems |
| Functional Partitioning |
| Additional Information |

Active Internal Arc-Fault Mitigation System Vamp

| |
|------------------------------|
| Functional Units |
| Linerly Distribution Systems |
| Functional Partitioning |
| Additional Information |

Active Internal Arc-Fault Mitigation System Vamp + Arc Quencher

| |
|------------------------------|
| Functional Units |
| Linerly Distribution Systems |
| Functional Partitioning |
| Additional Information |

D



Maximum safety and ensure continuity in **mission-critical power systems**

In critical infrastructures, electrical safety is non-negotiable. Arc flash incidents can lead to severe injuries, fatalities, and costly operational disruptions. As electrical systems become more complex and demand continues to rise, mitigating arc flash risk is **more essential than ever**.



600+
accidents

Reported annually across industrial facilities, of which, 25% involve arc flash incidents.



1-2
fatalities per day

Related to arc flash occur regularly worldwide during electrical maintenance.



66%
of fatalities

in low-voltage switchgear incidents are caused by arc flash.

Why PrismaSeT P Internal Arc?

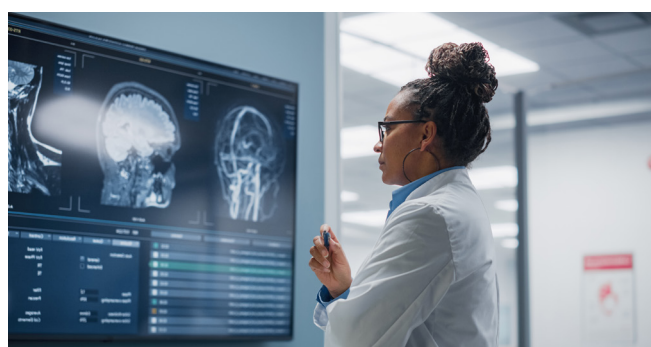
To reduce arc flash risks, organizations must combine robust fault mitigation systems with safe operational practices that limit exposure to live equipment.

PrismaSeT P Internal Arc is purpose-built to deliver maximum protection in demanding environments. Designed with reinforced arc resistance and certified to **IEC/TR 61641** (up to 66 kA / 415 V), it protects people, contains fault energy, and minimizes operational disruption.

Target segments for arc fault mitigation



Data centers



Healthcare infrastructure



Hotels



Large commercial buildings



Industrial manufacturing plants

D

Protect people, preserve assets, maintain uptime

Internal arcs are among the most serious risks in electrical installations. This specific application is engineered to prioritize user safety and equipment longevity, providing a robust solution that contains energy and ensures total continuity of service.



Proven internal arc protection

- Designed to withstand internal faults and safely contain arc energy
- Helps protect operators while limiting equipment damage



Reliable

- Fully certified by an independent third party in compliance with the **IEC/TR 61641** standard.
- Verified through rigorous design validation and routine testing



Robust mechanical design

- High rigidity structure with **IK07–IK10** impact protection
- Maintains integrity during faults



Modular and upgradeable

- Easily adapts to changing configurations without compromising safety
- Future-ready for evolving electrical needs



Faster assembly, lower risk

- Functional system design simplifies panel assembly
- Reduces human error during installation



See PrismaSeT P in action

Discover how it enhances installation safety.



[Click to find out more](#)

Prisma**SeT** P Internal Arc Cubicles up to 3200 A - IP31



D



Electrical characteristics

- Rated insulation level of main busbars: 1000 V
- InA: 3200 A
- Rated peak withstand current I_{pk}: 220 kA
- Rated short-time withstand current I_{sw}: 100 kA rms / 1 second
- Frequency: 50/60 Hz
- Voltage U_e = 415 V



Mechanical characteristics

- Steel sheet metal
- Cataphoresis treatment + hot-polymerised polyester epoxy powder, white color RAL 9003
- Can be dismantled
- Can be combined side-by-side and back-to-back
- Degree of protection:
 - IP31
- Degree of protection against mechanical impacts:
 - IK10
- Framework dimensions:
 - four widths:
 - W = 300: cable compartment
 - W = 400: cable compartment or device compartment
 - W = 650: device compartment or cable compartment
 - W = 800: device compartment with busbar compartment or cable compartment
 - Two depths: 400, 600 mm
 - Height: 2000 mm
- Indoor cubicles



For Switchboard Assembly and Earthing Continuity instructions, refer *How to Assemble the Electrical Switchboard* Guide PHA2165500.



Electrical switchboards built using the Prisma**SeT** P functional system and Schneider Electric recommendations fully comply with international standards IEC 61439-1 and 2.

Cubicles

Contents

Enclosures

| | |
|---------------------|------------|
| Cover panels | D-8 |
| Cubicles | |
| Frameworks | D-9 |

Dimensions

| | |
|-----------------|-------------|
| Cubicles | D-11 |
|-----------------|-------------|

Enclosures

| | |
|--|-------------|
| Cubicles | |
| IP31 | D-16 |
| Plinth | D-19 |
| Cubicle handling and Lifting reinforcement kit | D-20 |
| Installation accessories | D-21 |
| Front plate accessories | D-23 |

Others

| | |
|--|-------------|
| Reserve space | D-24 |
| Fixing accessories | D-25 |
| Universal adapter | |
| Mounting on a plain backplate | D-26 |
| Others devices | |
| Mounting on a slotted plate - Mounting on a modular rail | D-27 |
| Cable running | D-28 |
| Connection accessories | |
| Cable-tie supports, lateral and longitudinal cross-members | D-29 |
| Door handles and locks | D-30 |
| Ventilation accessories | |
| Heat | D-31 |
| Regulating | D-32 |
| Switchboard lighting | D-33 |

D

Cover panels

Enclosures

1000 mm deep switchboard

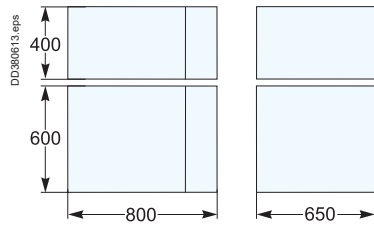
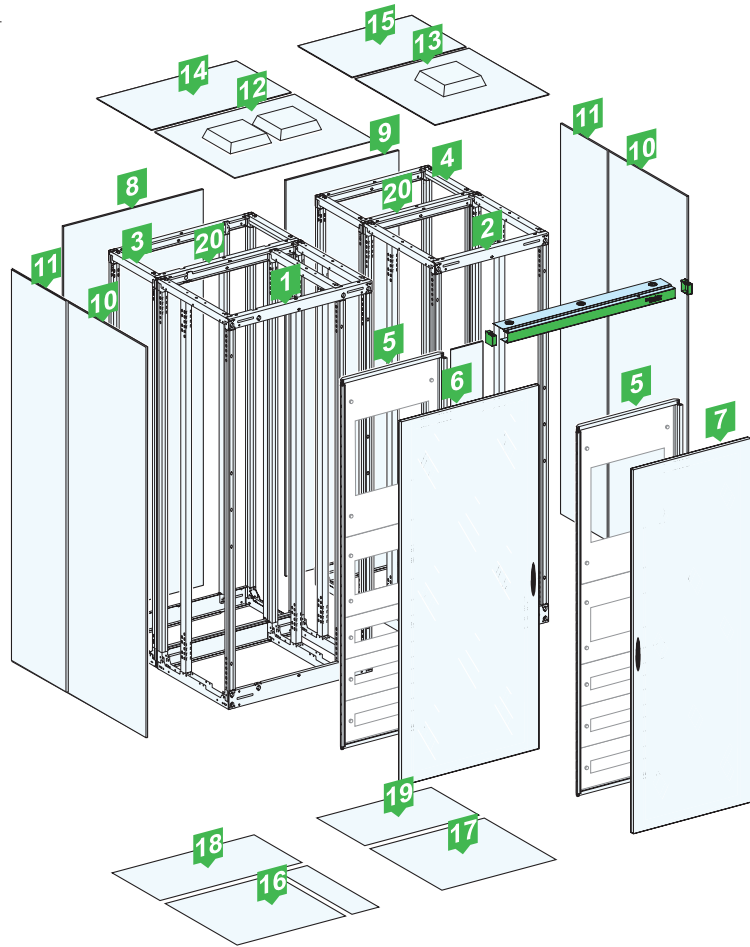
Made up of two cubicles back-to-back.
Rear connections are possible.

- Front panels
 - One of the following must be installed in front of the hinged front plate frame support:
 - A plain door
 - A transparent door
- Rear panels = screw-on panels
- Side panels = screw-on panels
- Plain roof
- Gland plates (plain or in two parts)

Parts list:

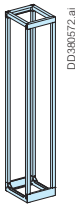
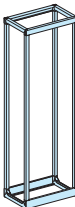
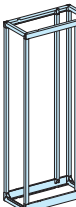
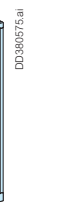
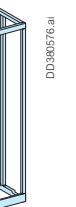
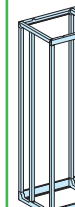

- 1 LVS08607: Framework, W = 800, D = 600, H = 2000
- 2 LVS08606: Framework, W = 650, D = 600, H = 2000
- 3 LVS08407: Framework, W = 800, D = 400, H = 2000
- 4 LVS08406: Framework, W = 650, D = 400, H = 2000
- 5 LVS08566: Front plate frame support, W = 650
- 6 LVS08528: Plain door, W = 800 (supplied with barrier for busbar compartment, W = 150)
- 7 LVS08526: Plain door, W = 650
- 8 LVS08748: Rear panel, W = 800 (screw-on panel)
- 9 LVS08746: Rear panel, W = 650 (screw-on panel)
- 10 LVS08765: Set of two side panels, D = 600 (screw on panels)
- 11 LVS08755: Set of two side panels, D = 400 (screw on panels)
- 12 LVS08678: Plain roof, W = 800, D = 600 (screw on panel)
- 13 LVS08656: Plain roof, W = 650, D = 600 (screw on panel)
- 14 LVS08458: Plain roof, W = 800, D = 400 (screw on panel)
- 15 LVS08456: Plain roof, W = 650, D = 400 (screw on panel)
- 16 LVS08687: Plain gland plate, W = 800, D = 600
- 17 LVS08686: Plain gland plate, W = 650, D = 600
- 18 LVS08487: Plain gland plate, W = 800, D = 400
- 19 LVS08486: Plain gland plate, W = 650, D = 400
- 20 LVS08719 x 2: Double depth combination kit

DB-447635.eps





Cubicles Frameworks

Enclosures

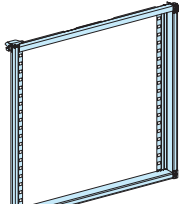
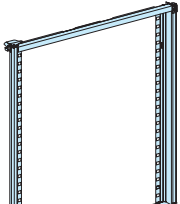
| Mounting | Frameworks | | | | | | | | | |
|-----------------|--|---|---|--|---|---|---|---|---|---|
| |  |  |  |  |  |  |  | | | |
| Width (mm) | 300 | 400 | 650 | 800 | 800 (650 + 150) | 300 | 400 | 650 | 800 | 800 (650 + 150) |
| | Depth 400 mm | | | | | Depth 600 mm | | | | |
| Cat. no. | LVS08403 | LVS08404 | LVS08406 | LVS08408 | LVS08407 | LVS08603 | LVS08604 | LVS08606 | LVS08608 | LVS08607 |
| Composition | 2 frames | | | | | 3 frames | | | | |
| | - | | | | + 2 additional uprights | Equipped with intermediate uprights for the mounting plates. | | | | |
| | <ul style="list-style-type: none"> 4 cross-pieces Mounting hardware Framework combinations | | | | | | | | | |
| Characteristics | <ul style="list-style-type: none"> Cubicles can be combined side-by-side and back-to-back. Can be equipped with IP30 cover panels. <p>Note: For the 800 mm width, the busbar compartment can be on the left or right.</p> | | | | | | | | | |



| Mounting | Hinged front plate frame support | |
|-----------------|--|--|
| |  |  |
| Width (mm) | 400 | 650 |
| Cat. no. | LVS08564 | LVS08566 (1) |
| Characteristics | <ul style="list-style-type: none"> Reversible for left or right-hand opening. Secured at two points. <p>Note: Can be mounted on 650 mm and 800 mm (650 + 150) wide cubicles.</p> <p>(1) For drawout MasterPacT MTZ2, hinged front plate frame support must open towards left-hand side.</p> | |

Partial hinged cover-frame supports

> page D-40

| Mounting | Partial hinged cover-frame supports | |
|-----------------|---|---|
| |  |  |
| Width (mm) | 650 | |
| | 10 modules | 12 modules |
| Cat. no. | LVS08560 | LVS08562 |
| Characteristics | <ul style="list-style-type: none"> For drawout MasterPacT MTZ2, hinged front plate frame support must open towards left-hand side. | <ul style="list-style-type: none"> Use for Fupact ISFL configurations. For drawout MasterPacT MTZ2, when hinged front plate frame support is left-hand opening. |

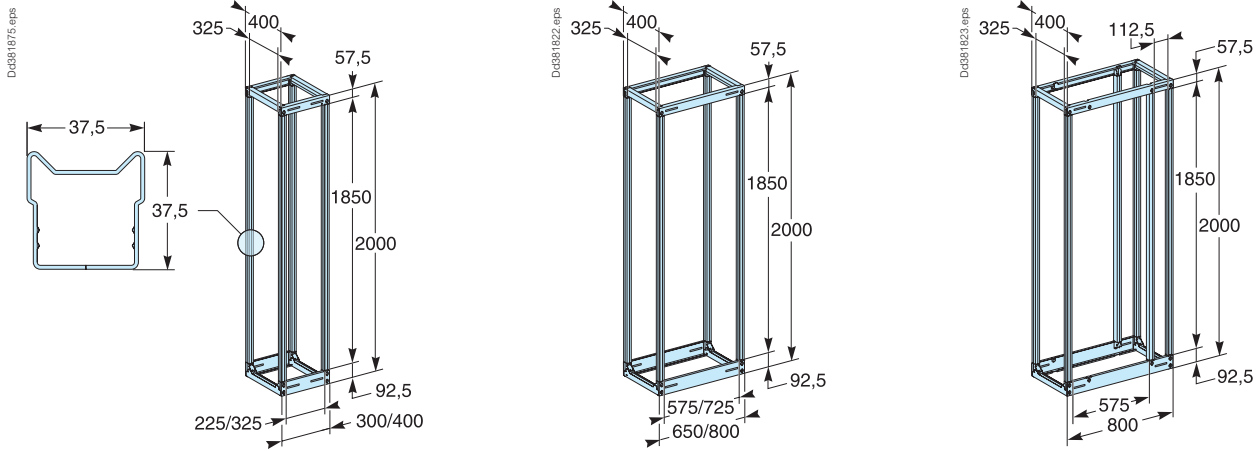
Cubicles Frameworks

Enclosures

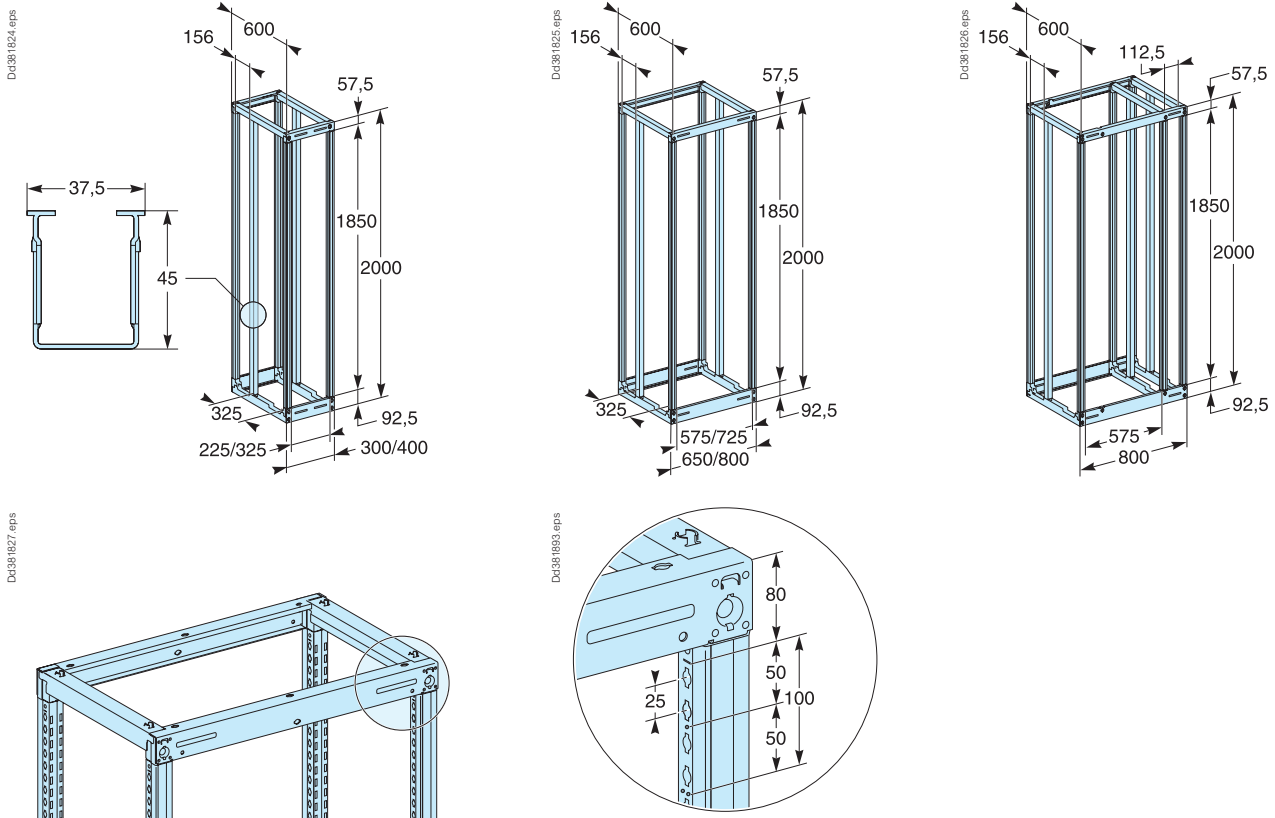
| Framework combinations | | |
|------------------------|---|---|
| | | |
| Type | Side-by-side | Back-to-back |
| | IP55 sealing kit | Double depth combination kit |
| Cat. no. | LVS08717 | LVS08719 |
| Characteristics | <ul style="list-style-type: none"> The 650 and 800 mm wide frameworks are supplied with a combination kit comprising six M6 bolts. To maintain the IP55 degree of protection, an optional gasket must be installed between the combined cubicles. | <p>The kit is made up of:</p> <ul style="list-style-type: none"> A set of hardware for the mechanical connections between the cross-pieces. Six assembly plates to connect the uprights. The IP55 sealing kit. |

| Accessories | | |
|-----------------|--|--|
| | | |
| Type | Commodities | |
| | Fixing screws and nuts | |
| Cat. no. | LVS08921 | LVS08718 |
| Characteristics | Set of 20 screws + wing nuts for framework | Set of 10 screws + combination accessories |

Frameworks, D = 400 mm



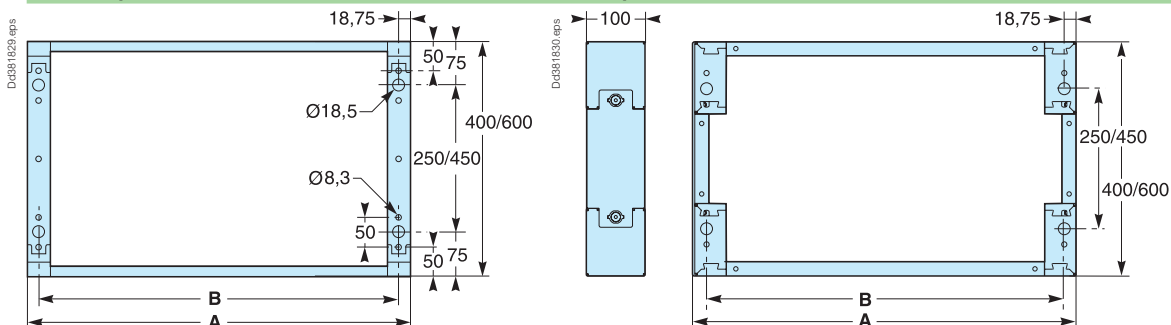
Frameworks, D = 600 mm



Fixing to floor

Without plinth

With plinth

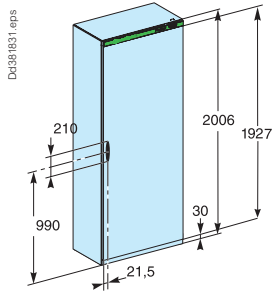


| A | B |
|-----|-------|
| 300 | 262.5 |
| 400 | 362.5 |
| 650 | 612.5 |
| 800 | 762.5 |

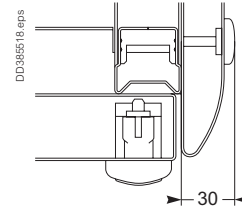
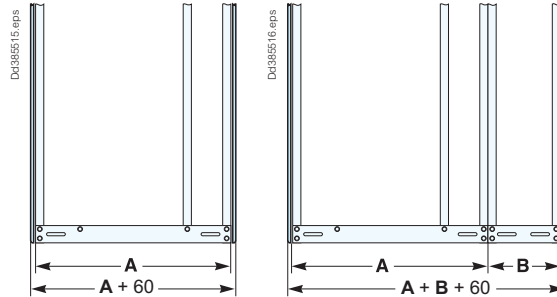
Dimensions

Cubicle with cover panels

Height

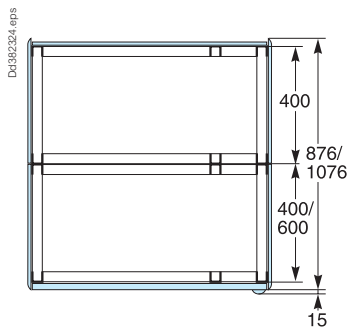


Width

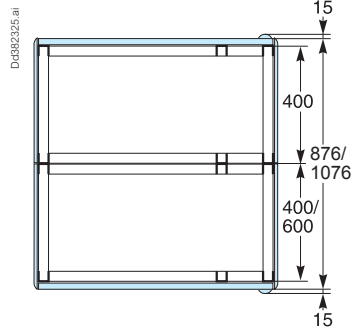


Depth

Door in front and panel in rear

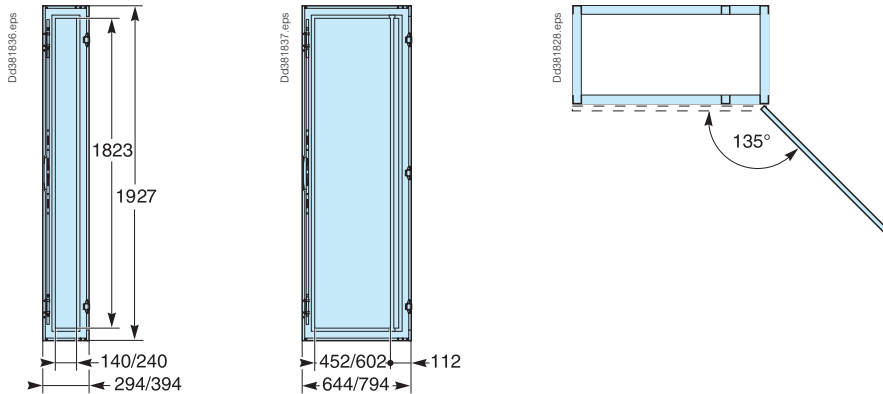


Doors front and rear

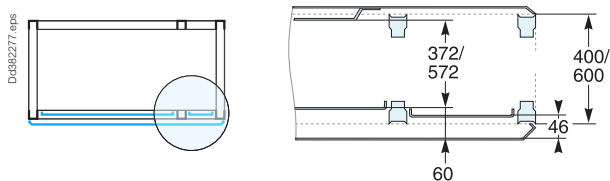


Door

IP55 door

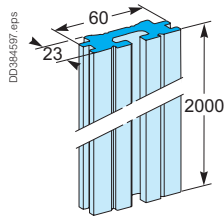


Available space behind door

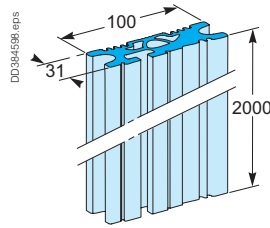


Linery LGYE busbars

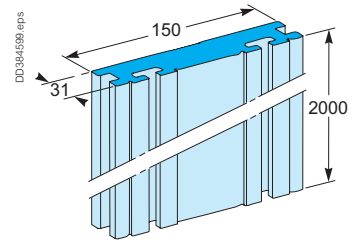
630 A - 1600 A



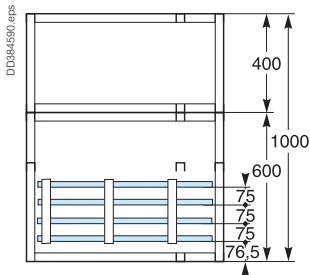
2000 A - 2500 A



3200 A

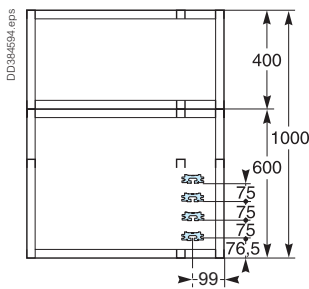


Layout of horizontal Linery LGYE busbars

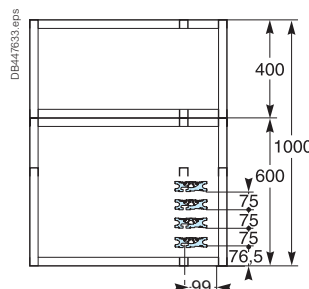


Layout of vertical Linery LGYE busbars

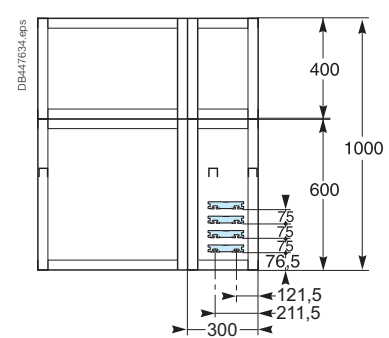
630 A - 1600 A



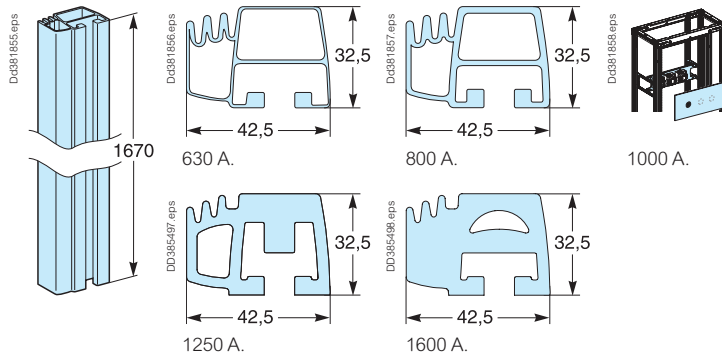
2000 A - 2500 A



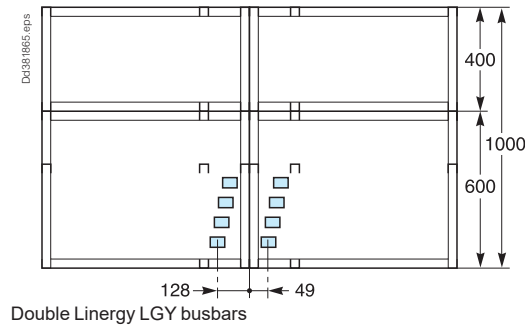
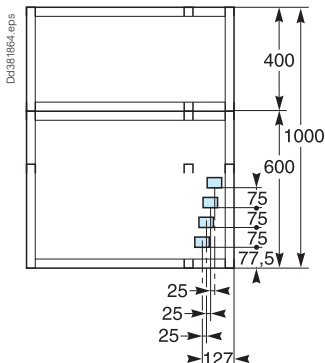
3200 A



Vertical Linery LGY busbars



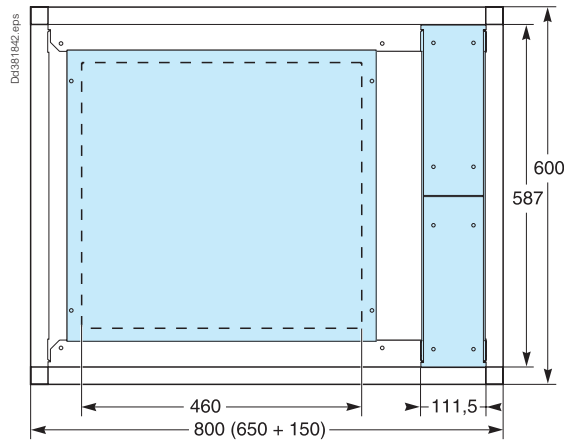
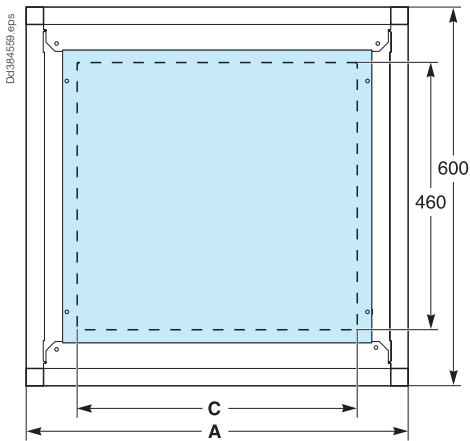
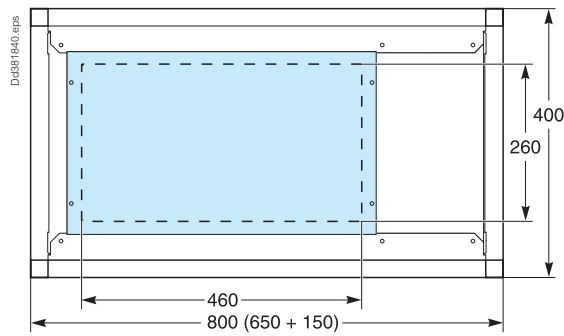
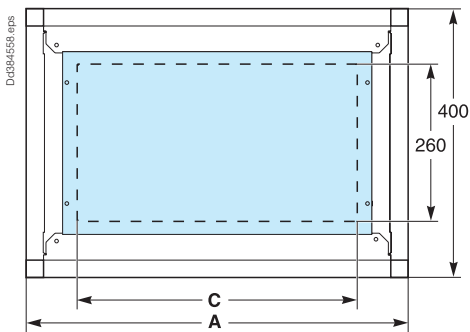
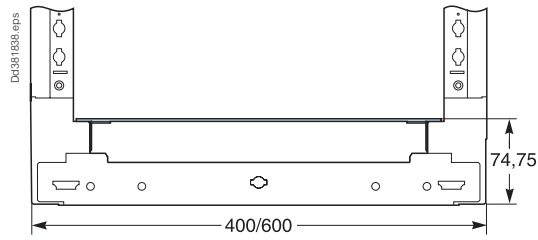
Layout of Linery LGY busbars



Dimensions

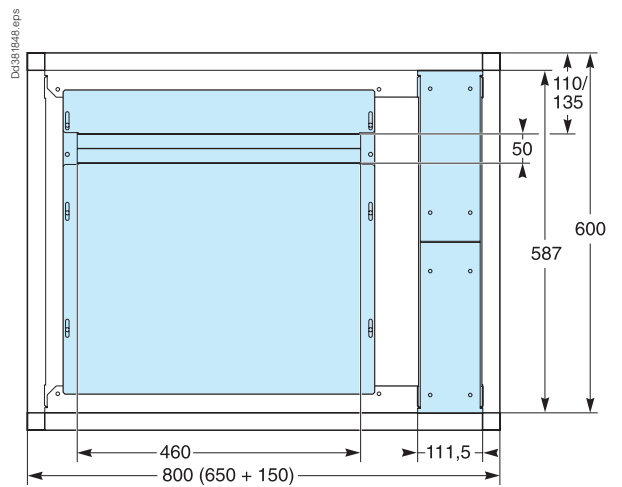
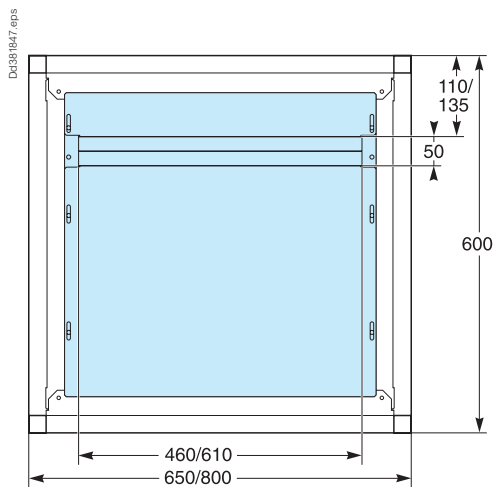
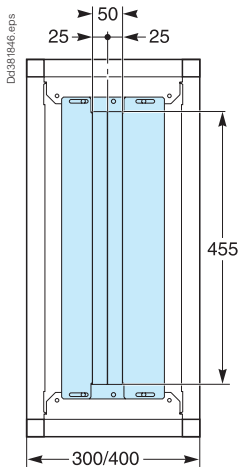
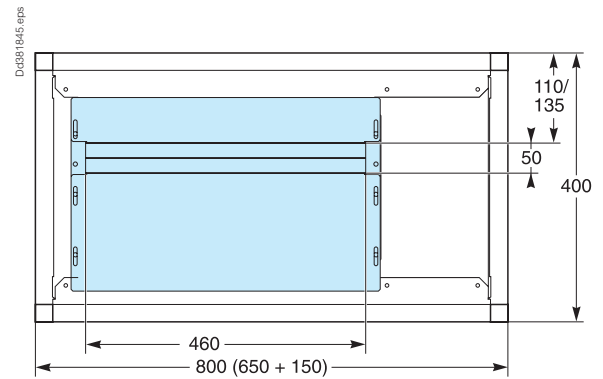
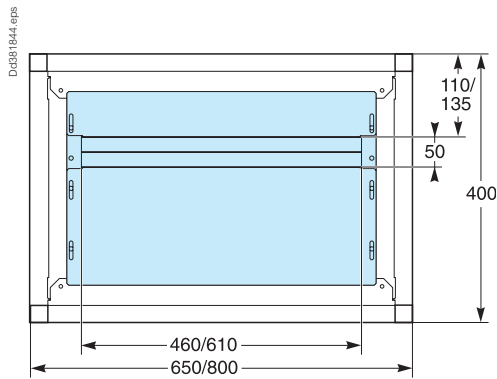
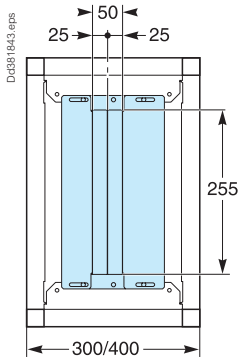
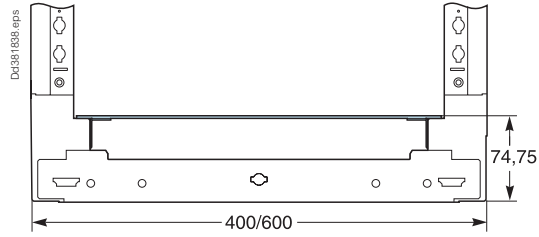
Plain gland plates

| A | C |
|-----|-----|
| 300 | 110 |
| 400 | 210 |
| 650 | 460 |
| 800 | 610 |



Dimensions

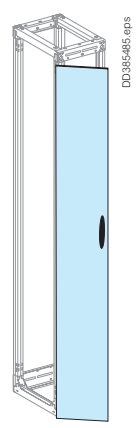
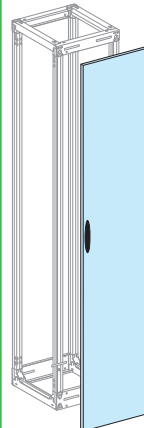
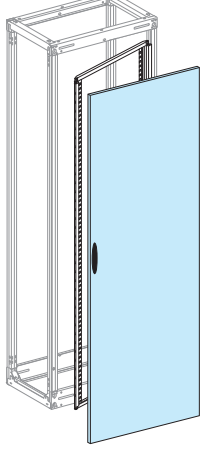
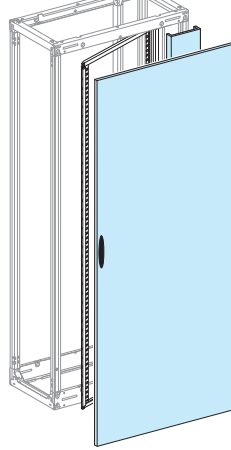
Two-part gland plates

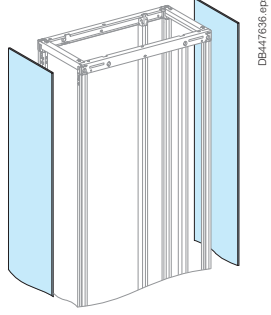


Cubicles

IP31

Enclosures

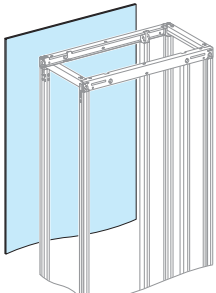

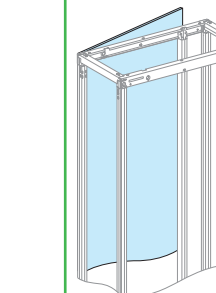
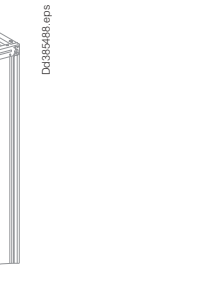
| Mounting | Front doors | | | |
|-------------------------|--|--|---|--|
| |  <p style="font-size: 8px;">DB395495.eps</p> |  <p style="font-size: 8px;">DB447637.ai</p> |  <p style="font-size: 8px;">DB447638.ai</p> |  <p style="font-size: 8px;">DB447639.ai</p> |
| Dimensions (mm) | W = 300 | W = 400 | W = 650 | W = 800 |
| Plain door | LVS08523 | LVS08524 | LVS01224 | LVS01225 |
| Reinforced door striker | – | LVS01114 (1) | | |
| Characteristics | <ul style="list-style-type: none"> ■ Equipped with a factory-mounted polyurethane (PUR) gasket, IP55. ■ Reversible for left or right-hand opening. ■ Equipped with a handle and keylock (key 405). <p>For other possibilities > page D-30.</p> <p>For IP55 rated configurations, front or rear mounted doors, it is necessary to follow the temperature derating tables, to ensure a convenient installation of devices.</p> <p>Note: The 800 mm door is supplied with a 150 mm barrier for the side compartment, plus a finishing accessory to improve the appearance of the upright.</p> <p>(1) Refer to instruction sheet JPT89930 in se.com for assembly.</p> | | | |

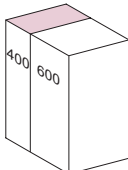
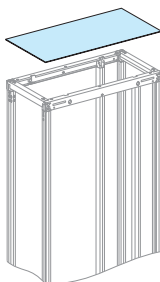



| Mounting | Side panels | |
|------------------------|--|-----------------|
| |  <p style="font-size: 8px;">DB447638.eps</p> | |
| Dimensions (mm) | D = 400 | D = 600 |
| Side panels | LVS08755 | LVS08765 |
| Characteristics | <ul style="list-style-type: none"> ■ Equipped with a factory-mounted polyurethane (PUR) gasket. ■ Supplied with mounting hardware. | |

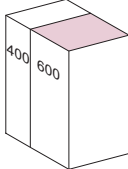
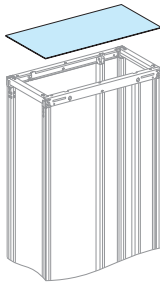

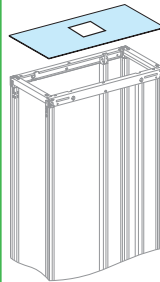
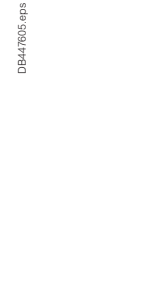
Cubicles

IP31

Enclosures

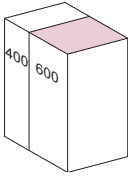
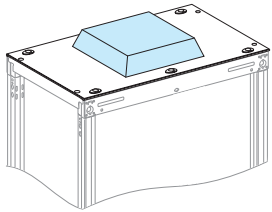
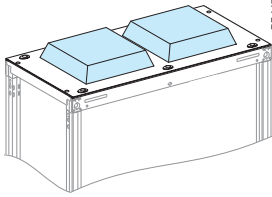
| Mounting | Rear panels | | | |
|------------------------|--|---|--|---|
| |  |  |  |  |
| Dimensions (mm) | W = 300 | W = 400 | W = 650 | W = 800 |
| Rear panel | LVS08743 | LVS08744 | LVS08746 | LVS08748 |
| Characteristics | <ul style="list-style-type: none"> ■ Equipped with a factory-mounted polyurethane (PUR) gasket. ■ Supplied with mounting hardware. ■ One-piece, reinforced panel designed to ensure the degree of protection. | | | |

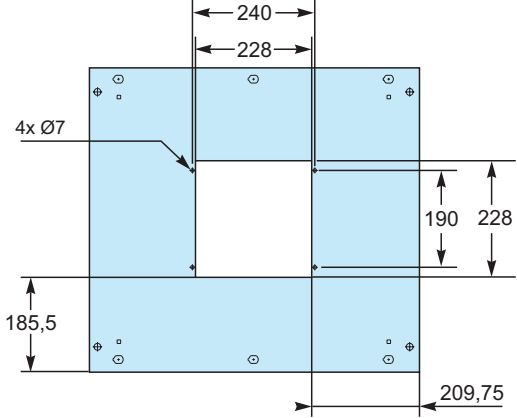
| Mounting | Plain roof | | | |
|--|--|--|--|---|
|  |  |  |  |  |
| Dimensions (mm) | W = 300 | W = 400 | W = 650 | W = 800 |
| Plain roof D = 400 mm | LVS08453 | LVS08454 | LVS08456 | LVS08458 |

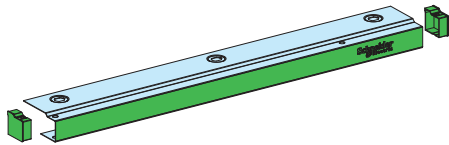
| Mounting | Plain roof | | Ventilated roof | |
|---|---|---|---|--|
|  |  |  |  |  |
| Dimensions (mm) | W = 300 | W = 400 | W = 650 | W = 800 |
| Roof D = 600 mm | LVS08653 | LVS08654 | LVS08656 | LVS08678 |

Cubicles

IP31

| Mounting | | Natural ventilation top hood without fan | |
|---|---|--|----------------|
|  |  |  | |
| | Dimensions (mm) Catalog number | W = 650 NSYCAC228RMB | W = 800 |

| Cut-out in roof | |
|--|-----------------------------------|
|  | |
| Dimensions (mm) Roof D = 600 mm | W = 650 LVS08656 |

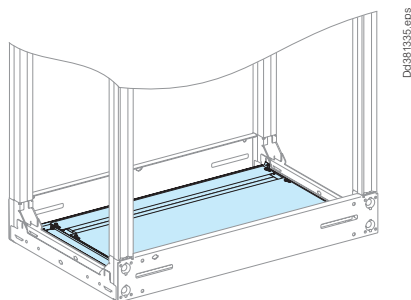
| Green cover to fix on top of each frame | | | | | | | | | |
|---|---|-----------------|-----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|
|  | | | | | | | | | |
| Dimensions (mm) | <table border="1"> <tr> <td>W = 300</td> <td>W = 400</td> <td>W = 650</td> <td>W = 800</td> </tr> <tr> <td>LVS08640</td> <td>LVS08641</td> <td>LVS08642</td> <td>LVS08643</td> </tr> </table> | W = 300 | W = 400 | W = 650 | W = 800 | LVS08640 | LVS08641 | LVS08642 | LVS08643 |
| W = 300 | W = 400 | W = 650 | W = 800 | | | | | | |
| LVS08640 | LVS08641 | LVS08642 | LVS08643 | | | | | | |
| Characteristics | To cover the top of each section which does not have Voltage Presence Indicator. | | | | | | | | |

Cubicles

Plinth

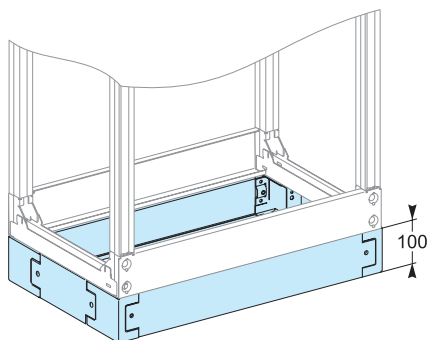
Enclosures

Mounting Two-part gland plates



| | | |
|-----------------------------|------------------|-----------------|
| Degree of protection | IP30/IP31 | |
| Dimensions (mm) | D400 | D600 |
| W = 300 mm | LVS08493 | LVS08693 |
| W = 400 mm | LVS08494 | LVS08694 |
| W = 650 mm | LVS08496 | LVS08696 |
| W = 800 mm (650 + 150) | LVS08497 | LVS08697 |
| W = 800 mm | LVS08498 | LVS08698 |

Mounting Plinth H = 100 mm



| | | | | | | |
|---|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Dimensions (mm) | W = 300 | W = 400 | W = 650 | W = 800 | D = 400 | D = 600 |
| Four corner posts + two cross-pieces (front and rear) | LVS08723 | LVS08724 | LVS08726 | LVS08728 | - | - |
| Two side plates | - | - | - | - | LVS08720 | LVS08721 |

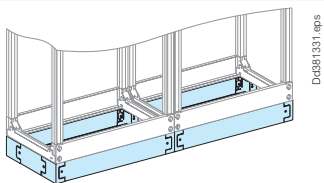
Characteristics

The plinth is made up of two catalog numbers:

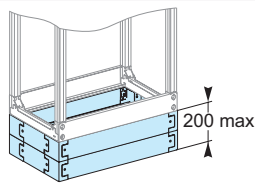
- One catalog number comprising four corner posts + two cross-pieces (front and rear), that can be used in side-by-side combinations or stacked to form a plinth 200 mm high (maximum).
- One catalog number comprising two side plates (400 or 600 mm).

Each catalog number is supplied with the necessary hardware.

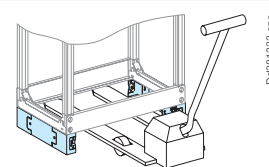
Examples



Side-by-side combination of two cubicles with a plinth.



Two stacked plinths.



The front and rear cross-pieces can be easily removed for a pallet-mover.

⚠ WARNING

TIP OVER HAZARD

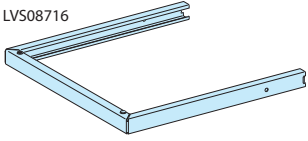
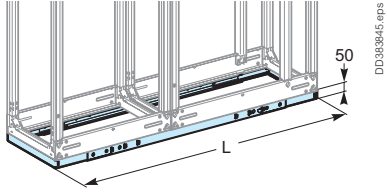
- Read and apply user instructions before work:
 - Secure the product in place.
 - Secure the product if removing the securing bolts or moving the product.
 - Use appropriate lifting equipment.
- Use trained personnel only, who know and understand the user instructions.

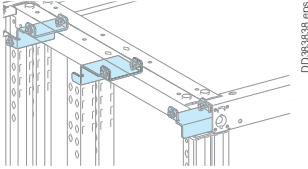
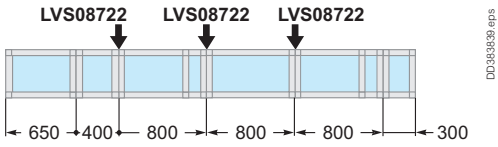
Failure to follow these instructions can result in death, serious injury, or product damage.

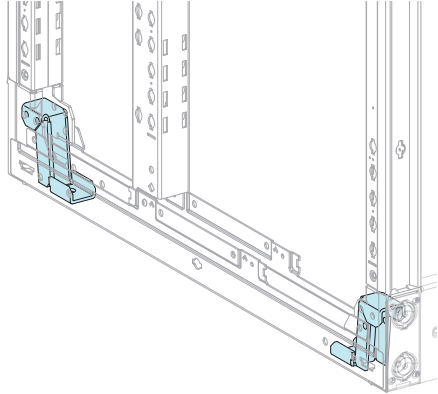
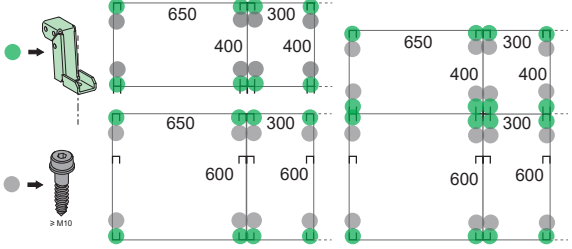
Cubicles

Cubicle handling and Lifting reinforcement kit

Enclosures

| Mounting | | Cubicle handling and rolling base | | | | |
|------------------------------------|--|---|-----------------|--|-----------------------|-----------------------|
| | |  | |  | | |
| Dimensions (mm) | | D = 400 | D = 600 | L1200 to L1900 | L2000 to L2550 | L2650 to L3050 |
| 2 cubicle handling base end-pieces | | LVS08714 | LVS08716 | - | - | - |
| Cubicle handling | | - | - | - | LVS08706 | - |
| Characteristics | This type of base is designed to avoid any risk of cubicle deformation during transport and handling. Five different catalog numbers offer 27 width possibilities (1200 to 3050 mm) for 400 and 600 mm deep cubicles. <ul style="list-style-type: none"> ■ Two catalog numbers each include 2 end-pieces for handling bases for 400 and 600 mm deep cubicles respectively and the corresponding mounting hardware. ■ Three catalog numbers each include 2 lengths for the sides of handling bases for 1200 to 3050 mm wide cubicles respectively and the corresponding mounting hardware. Handling bases can be used for both side-by-side and back-to-back cubicle combinations. In this case, the mounting hardware for one of the sets is used. | | | | | |

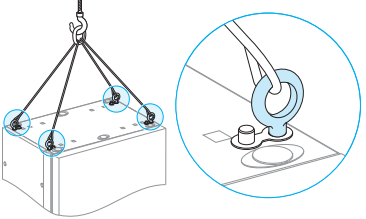
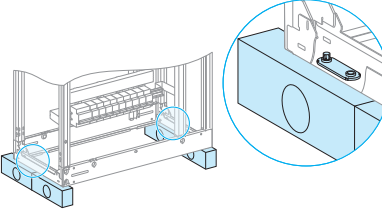
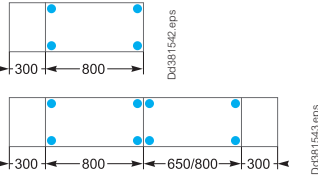
| Mounting | | Lifting reinforcement kit | |
|---------------------------|---|--|---|
| | |  |  |
| Dimensions (mm) | | D = 400, D = 600 | |
| Lifting reinforcement kit | | LVS08722 | |
| Characteristics | Kit LVS08722 is recommended for lifting combined cubicles and can be used together with handling base end-pieces LVS08714 or LVS08716 for severe transport or handling conditions. Catalog number LVS08722 includes 3 reinforcement brackets for 400 or 600 mm deep cubicles and the corresponding mounting hardware. | | |

| Mounting | | Seismic Kit | |
|-----------------------|--|---|--|
| | |  |  |
| | | Foot part to be added in each bottom angle to reinforce the structure. | |
| Reinforcement bracket | | LVS08710 | |
| Characteristics | Catalog number ref LVS08710 includes 1 reinforcement bracket and 4 M6 screws. <ul style="list-style-type: none"> ■ Plinths are not allowed with seismic kits. | | |

| Type of cubicle | W300 | | W400 | | W650 | | W650 + W150 | |
|---|---------------------|---|---------------------|---|---------------------|-----------------|---|-----------------|
| | D = 400 | D = 600 | D = 400 | D = 600 | D = 400 | D = 600 | D = 400 | D = 600 |
| Framework | LVS08403 | LVS08603 | LVS08404 | LVS08604 | LVS08406 | LVS08606 | LVS08407 | LVS08607 |
| Reinforcement bracket | LVS08710 x 4 | | | | LVS08710 x 4 | | LVS08710 x 6 | |
| Longitudinal cross men | LVS08773 | | LVS08774 | | LVS03587 x 2 | | | |
| Lateral cross member | LVS03584 x 2 | LVS03584 x 2 + LVS03586 x 2 | LVS03584 x 2 | LVS03584 x 2 + LVS03586 x 2 | LVS03584 x 2 | | LVS03584 x 2 + LVS03586 x 2 | |
| M10 screw (not supplied) | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 6 |
| Side panels IP55 mandatory for IP30 and IP55 configurations | LVS08755 | LVS08765 | LVS08755 | LVS08765 | LVS08755 | LVS08765 | LVS08755 | LVS08765 |

Installation accessories

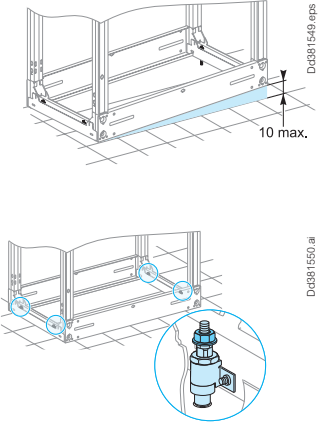
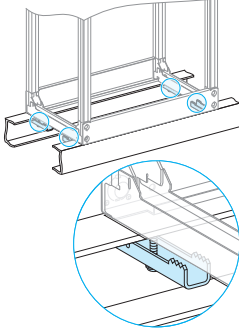
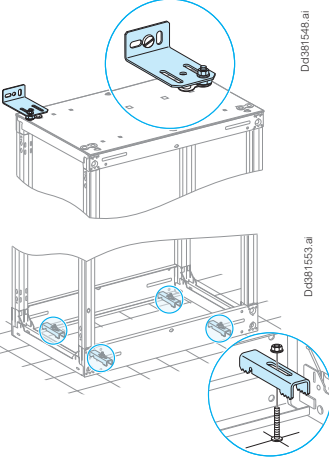
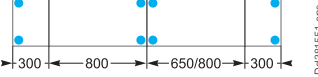
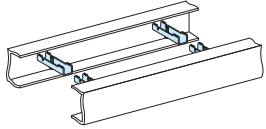
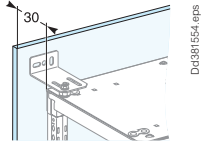
Enclosures

| Mounting | Lifting rings | Framework stabiliser kit |
|-----------------|---|--|
| |  <p style="text-align: right; font-size: small;">Doc811541.ai</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align: center;">WARNING</p> <p>HAZARD OF DROPPING</p> <ul style="list-style-type: none"> • Use strong slings with a valid use-by date when lifting with cranes. • Attach the slings to the 4 lifting rings of the cubicles. • For combined units, use lifting beam and slings for lifting. • Secure the plinth of floor standing enclosure using the fasteners. <p>Failure to follow these instructions can result in death, serious injury, or equipment damage.</p> </div> |  <p style="text-align: right; font-size: small;">Doc811546.ai</p> |
| Cat. no. | LVS08700 | LVS08701 |
| Characteristics | <ul style="list-style-type: none"> ■ Set of four lifting rings screwed to the framework. ■ Use a set of lifting rings for each framework (W = 650 and 800 mm) containing devices. ■ When two cubicles with devices have been combined, use a lifting beam. ■ Can be installed and removed without removing the roof. ■ Even if they are left attached, the switchboard conserves its original degree of protection. <div style="margin-top: 10px;">  <p style="font-size: x-small;">Doc811542.eps Doc811543.eps</p> <p>Positions of the lifting rings for two combined cubicles containing devices. In this case, a lifting beam must be used.</p> </div> | <ul style="list-style-type: none"> ■ Made up of four blocks under the framework. ■ Suitable for all types of cubicles, whatever the width and depth. ■ Increases the stability of the cubicle during mounting of devices. ■ Makes possible cubicle handling using a pallet mover or a forklift. ■ Protects the front, side and rear cover panels during handling. ■ Can be reused. |



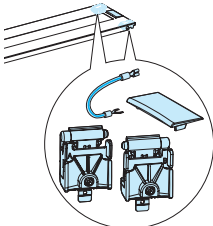
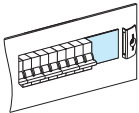
Installation accessories

Enclosures

| Mounting | Levelling kit | False floor fixing kit | Floor/wall fixing kit |
|------------------------|--|--|--|
| |  <p>Dd3811549.eps 10 max. Dd3811550.ai</p> |  <p>Dd3811547.ai</p> |  <p>Dd3811548.ai Dd3811553.ai</p> <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">WARNING</p> <p>HAZARD OF DROPPING</p> <ul style="list-style-type: none"> • Use strong slings with a valid use-by date when lifting with cranes. • Attach the slings to the 4 lifting rings of the cubicles. • For combined units, use lifting beam and slings for lifting. • Secure the plinth of floor standing enclosure using the fasteners. <p>Failure to follow these instructions can result in death, serious injury, or equipment damage.</p> </div> |
| <p>Cat. no.</p> | <p>LVS08702</p> | <p>LVS08703</p> | <p>LVS08704</p> |
| <p>Characteristics</p> | <ul style="list-style-type: none"> ■ Set of 4 fixtures. ■ Can be installed at any time, even when the cubicle is already in position. ■ Maximum adjustment range = 10 mm. ■ Secures the cubicle to the floor.  <p>Dd3811551.eps</p> <p>Recommended positions of the fixtures for combined cubicles.</p> | <ul style="list-style-type: none"> ■ Made up of four independent clamps. ■ clamp on: <ul style="list-style-type: none"> □ "U" sections: H = 175 mm, W = 70 mm □ "I" sections: H = 120 mm, W = 64 mm ■ clamp travel = 11 mm  <p>Dd3811552.ai</p> | <ul style="list-style-type: none"> ■ Made up of two brackets and four clamps. ■ Can be used to offset the switchboard fixing points for easier access. ■ The wall brackets ensure sufficient wall clearance (at least 30 mm) for natural convection.  <p>Dd3811554.eps</p> |

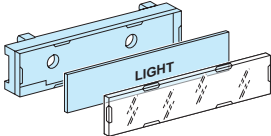
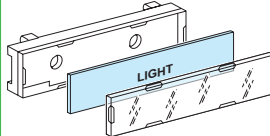
Front plate accessories, blanking plates

Enclosures

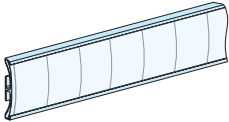
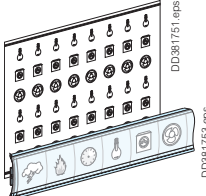
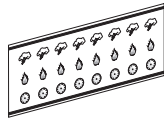
| Used for | Front plate hinge kit | Blanking plates | |
|-----------------|---|--|---|
| |  DD383950.eps |  DD384029.eps | |
| Cat. no. | For LVS08585 ⁽¹⁾ | For modular devices LVS03220 | LVS03221 |
| Characteristics | <ul style="list-style-type: none"> ■ Set of 2 hinges ■ 1 earthing braid | <ul style="list-style-type: none"> ■ Strip ■ H = 46 mm, L = 1 m | <ul style="list-style-type: none"> ■ Divisible ■ Set of 4 ■ H = 46 mm, L = 90 mm ■ White RAL 9003 |

(1) With a power voltage > SELV (12 V), devices on front plates must be mounted with a front plate hinge kit (cat no. **LVS08585**). The earthing braid must be connected to the front plate frame support (cat no. **LVS08566**, **LVS08564**, **LVS08560**, **LVS08562** or else). With a power voltage > SELV (12 V) and a supply protection > 16 A, in addition to the preceding rule, the front plate frame support (cat no. **LVS08566**, **LVS08564**, **LVS08560**, **LVS08562** or else) must be connected to the cubicle frame, using an earthing braid (cat no. **LVS08910** or **LVS08911**). (standard NF / EN 61439-1 2011 edition).





Identification labels

| Used for | Clip-on labels | | | Engraving plates | | |
|-----------------|---|-----------------|-----------------|---|-----------------|-----------------|
| |  DD383974.eps | | |  DD383975.eps | | |
| Cat. no. | LVS08913 | LVS08915 | LVS08917 | LVS08914 | LVS08916 | LVS08918 |
| Dimensions (mm) | 18 x 35 | 18 x 72 | 25 x 85 | 18 x 35 | 18 x 72 | 25 x 85 |
| Characteristics | <ul style="list-style-type: none"> ■ Set of 12 ■ The clip-on support is supplied with a paper label and a transparent cover. ■ It clips onto the front plate horizontally or vertically and can be screwed to any support (plain door, plain front plate, etc.). | | | <ul style="list-style-type: none"> ■ Set of 12 ■ Simply replace the paper labels. | | |

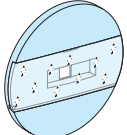
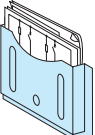
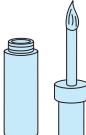


| Used for | Adhesive labels | | | | Symbol sheets | |
|-----------------|--|-----------------|-----------------|-----------------|---|---|
| |  DD381715.eps | | | |  DD381751.eps |  DD381752.eps |
| Cat. no. | LVS08905 | LVS08906 | LVS08903 | LVS08904 | 13735 | 13736 |
| Dimensions (mm) | 24 x 180 | 36 x 180 | 24 x 432 | 36 x 432 | | |
| Characteristics | <ul style="list-style-type: none"> ■ Set of 12 ■ The adhesive label holders are supplied with a paper label and a transparent cover. | | | | <ul style="list-style-type: none"> ■ Set of ten symbol sheets. ■ Standard symbols: <ul style="list-style-type: none"> □ Loads: sockets, lights, heating units, etc. □ Rooms: bedroom, bathroom, etc. | <ul style="list-style-type: none"> ■ Set of ten symbol sheets. ■ Special symbols: <ul style="list-style-type: none"> □ Loads: lightning arrester, gate, swimming pool, etc. □ Rooms: technical room, computer room, etc. |

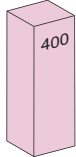
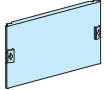
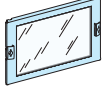
Adhesive labels for mimic diagrams

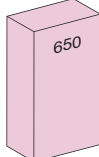
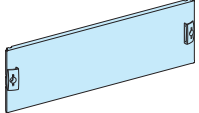
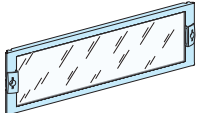
| Used for | Lines | Outgoing arrows | Incoming arrows | Transformers |
|-----------------|--|--|--|--|
| |  x 10 |  x 10 |  x 10 |  x 10 |
| Cat. no. | LVS01005 | LVS01006 | LVS01007 | LVS01008 |
| Characteristics | 900 mm long and 7 mm thick Set of 10 | | | |

Accessories

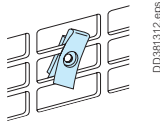
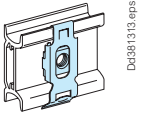
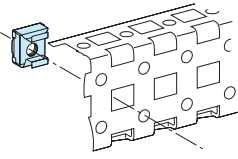
| Used for | Switchboard identification plate | Drawing holder | Touch-up accessories |
|-----------------|--|--|--|
| |  DD381721.eps |  DD381208.eps |  DD385006.eps |
| Cat. no. | LVS08900 | LVS08963 | LVS08961 |
| Characteristics | Color: RAL 9003 | Color: RAL 9003 | Color: RAL 9003 |

Reserve space

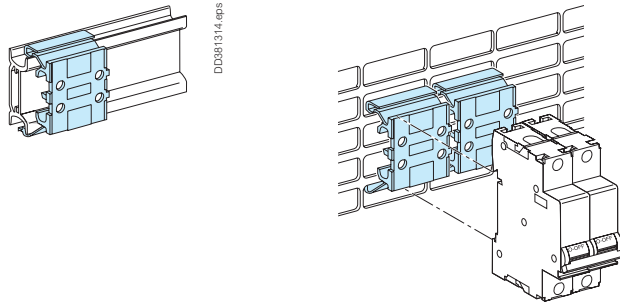
| Reserve space | | | | | | | | |
|---|---|------------|------------|------------|------------|------------|------------|------------|
|  |  | | | | | | | |
| | Plain front plate W = 250 mm | | | | | | | |
| | H = 50 mm | H = 100 mm | H = 150 mm | H = 200 mm | H = 250 mm | H = 300 mm | H = 450 mm | H = 600 mm |
| [No. of vertical mod.] | [1] | [2] | [3] | [4] | [5] | [6] | [9] | [13] |
| Catalog number | LVS03811 | LVS03812 | LVS03813 | LVS03814 | LVS03815 | LVS03816 | LVS03817 | LVS03722 |
| |  | | | | | | | |
| | Transparent front plate W = 250 mm | | | | | | | |
| | - | - | - | [4] | - | [6] | [9] | - |
| [No. of vertical mod.] | - | - | - | [4] | - | [6] | [9] | - |
| Catalog number | - | - | - | LVS03352 | - | LVS03353 | LVS03354 | - |

| Reserve space | | | | | | | | |
|--|---|------------|------------|------------|------------|------------|------------|------------|
|  |  | | | | | | | |
| | Plain front plate W = 500 mm | | | | | | | |
| | H = 50 mm | H = 100 mm | H = 150 mm | H = 200 mm | H = 250 mm | H = 300 mm | H = 450 mm | H = 600 mm |
| [No. of vertical mod.] | [1] | [2] | [3] | [4] | [5] | [6] | [9] | [12] |
| Catalog number | LVS03801 | LVS03802 | LVS03803 | LVS03804 | LVS03805 | LVS03806 | - | LVS03808 |
| |  | | | | | | | |
| | Transparent front plate W = 500 mm | | | | | | | |
| | - | - | - | [4] | - | [6] | [9] | [12] |
| [No. of vertical mod.] | - | - | - | [4] | - | [6] | [9] | [12] |
| Catalog number | - | - | - | LVS03342 | - | LVS03343 | LVS03344 | LVS03345 |

Clip-nuts

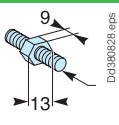
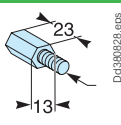
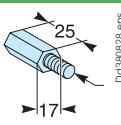
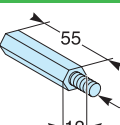
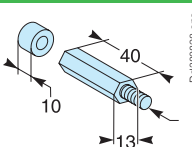
| Mounting | For slotted mounting plates | For modular rails | For lateral and longitudinal cross-members |
|-----------------|--|--|--|
| |  DD381312.eps |  DD381313.eps |  DD381612.eps |
| M4 | LVS03180 | LVS03164 | - |
| M5 | LVS03181 | LVS03165 | - |
| M6 | LVS03182 | LVS03166 | LVS03194 |
| Characteristics | Set of 20 Mounting of various devices | Set of 20 Mounting of various devices | Set of 20 Mounting in cubicles |

Pratic raiser

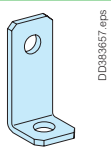
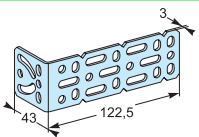
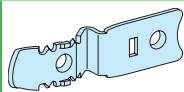
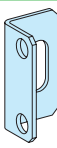

| Raiser | |
|-----------------|---|
| |  DD381314.eps DD381576.eps |
| Catalog number | LVS04224 |
| Characteristics | Set of 5 Height 10 mm, wide 27 mm Color: RAL 9003, insulating material |



Hexagonal spacers

| Hexagonal spacers | | | | | |
|-------------------|--|--|--|--|--|
| |  DD383828.eps |  DD383828.eps |  DD383828.eps |  DD383828.eps |  DD383828.eps |
| M5 | LVS03185 | LVS03186 | - | LVS03187 | - |
| M6 | LVS03195 | LVS03196 | LVS03198 | LVS03197 | - |
| M8 | - | - | - | - | LVS03199 |
| Characteristics | Height: 9 mm Set of 4 | Height: 23 mm Set of 4 | Height: 25 mm Set of 4 | Height: 55 mm Set of 4 | Height: 40 + 10 mm Set of 4 |

Universal angle brackets

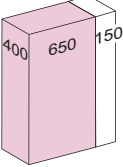
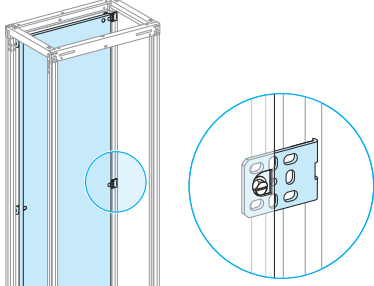
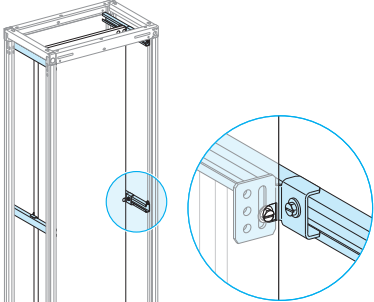
| Universal angle brackets | | | | | |
|--------------------------|--|--|---|--|--|
| |  DD383857.eps |  DD381577.eps |  DD382920.eps |  DD383078.eps |  DD385531.eps |
| Catalog number | LVS03580 | LVS03581 | LVS03582 | LVS03583 | LVS04667 |
| Characteristics | Set of 4 + vis | Set of 2 | 6 universal inserts | Set of 6 | Set of 2 |

Universal adapter

Mounting on a plain backplate

Others

Mounting on a plain backplate

| Mounting | Plain backplate | | Slide rails + angle brackets |
|---|--|--|--|
|  |  <p style="text-align: right; font-size: small;">Dc0381174.ai</p> | |  <p style="text-align: right; font-size: small;">Dc0381309.ai</p> |
| Catalog number | LVS03570 | LVS03569 | LVS03593 |
| Characteristics | 36 modules 510 mm wide for installation in a device compartment W = 650 mm or W = 800 mm (650 + 150) | 36 modules 660 mm wide for installation for a cubicle W = 800 mm | Set of 2 for the installation and depth adjustment |

Note: The adapter **LVS03595** can be used for all mounting plates, except **LVS03030**.

Depth adjustable, the busbars can be supplied by a ComPacT INS-INV switch-disconnector or a fixed/withdrawable ComPacT NSX circuit breaker, whatever the type of operating system (toggle, rotary handle, motor mechanism).

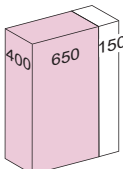
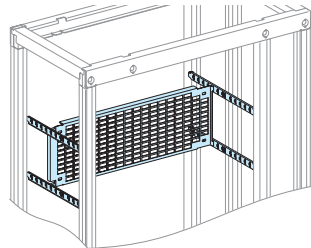
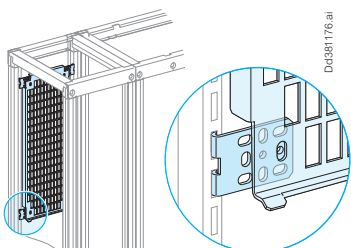
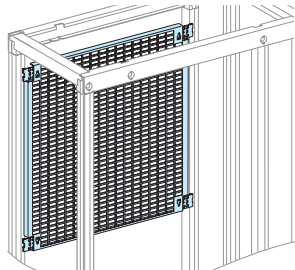
Others devices

Mounting on a slotted plate

Mounting on a modular rail

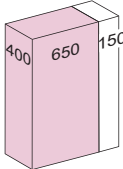
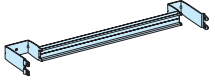
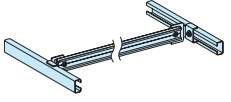
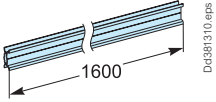
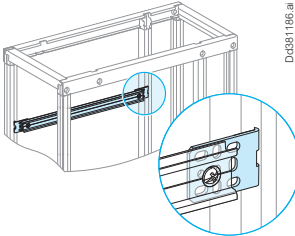
Others

Mounting on a slotted plate

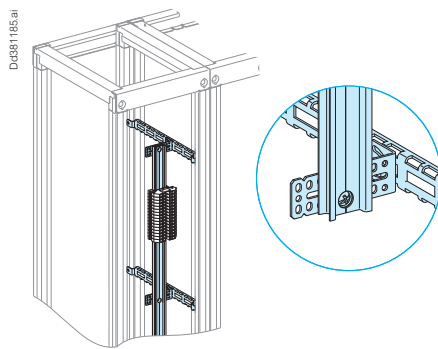
| Mounting | Slotted mounting plates + lateral cross-members | | Slotted mounting plate without lateral cross-members |
|---|---|--|---|
|  |  |  |  |
| Catalog number | LVS03571 | LVS03572 | LVS03574 |
| Number of vertical modules | 4 | 6 | 12 |
| Height (mm) | 200 | 300 | 600 |
| 2 universal angle brackets | - | 2 x LVS03581 | - |
| Characteristics | <p>Installation</p> <ul style="list-style-type: none"> ■ Either in the device zone on the four lateral cross-members (depth adjustment is possible). ■ Or vertically at the rear of a cable compartment, W = 300 mm (LVS03571) or W = 400 mm (LVS03572). | | <ul style="list-style-type: none"> ■ Galvanised, slotted metal mounting plate. ■ Supplied with four angle brackets, they connect directly to the rear of a framework, W = 650 mm or 800 mm (650 + 150 mm). ■ The mounting plate can also be installed using two sets of two slide rails (LVS03593 x 2) for depth adjustment. |

D

Mounting on a modular rail

| Mounting | Modular rails | | | Modular rail W = 650 mm |
|---|---|---|---|---|
|  |  |  |  |  |
| Catalog number | LVS03401 | LVS03402 | LVS04226 (1) | LVS03590 |
| Characteristics | Useful length: 432 mm | Useful length: 432 mm Modular rail (adjustable) | Set of 2 rails, useful length: 1600 mm with 4 holes, Ø 6.4 mm, 450 mm between centres | W = 650 mm Supplied with two angle brackets for mounting on the framework. |

(1) Example of a Linergy busbars installed in a busbar compartment, on a modular rail cat. no. **LVS04226 + LVS03581 + LVS08794**: > page D-110.



Straps and covers

| Type | Horizontal cable straps | Covers for horizontal cable straps |
|-----------------|---|------------------------------------|
| | <p>Dc381622_R.eps Dc381616.eps</p> | <p>Dc381621.eps</p> |
| Catalog number | LVS04239 | LVS04243 |
| Characteristics | Set of 12 Horizontal cable straps have the same capacity as 60 x 30 mm trunking. | Set of 4 covers of 430 mm |

Trunking supports

| Type | Horizontal trunking supports | Adaptable support for horizontal trunking |
|-----------------|---------------------------------------|---|
| | <p>Dd4382320.eps Dc381626.eps</p> | <p>Dc4382924.eps Dc382322.eps</p> |
| Catalog number | LVS04255 | LVS04256 |
| Characteristics | Set of 12 | Set of 10 Aligns the cover of a horizontal trunking section (H = 60 or 80 mm) with that of a vertical trunking section (H = 80 mm). Note: Not designed for use with Pack enclosures. |

Trunkings

| Type | Vertical trunkings 80 x 60 mm | Horizontal trunkings 60 x 30 mm | Cable trunkings for doors 30 x 30 mm |
|-----------------|-------------------------------|--|--|
| | <p>Dc381640.eps</p> | <p>Dc381638.eps</p> | <p>Dc381641.eps</p> |
| Catalog number | LVS04267 | LVS04257 | LVS04233 |
| Characteristics | Set of 18 L = 2000 mm | Set of 4 L = 450 mm Supplied with supports | Set of 30 adhesive trunkings 30 x 30 mm L = 2000 |

Cable trunkings for doors, grommets

| Type | Flexible trunkings for wiring to door | Grommets |
|-----------------|---------------------------------------|---|
| | <p>Dc384372.eps</p> | <p>Dd4383653.eps Dc384166.eps</p> |
| Catalog number | LVS04235 | LVS04234 |
| Characteristics | W = 500 mm, inner Ø = 19 mm | Set of 10. For wiring through front. |
| | | <p>Dc384166.eps</p> |
| | | <p>Dd4382719.eps</p> |
| Catalog number | | LVS01215 |
| Characteristics | | 5 square grommets 70 x 40. |
| | | <p>Dd4382719.eps</p> |
| | | 87648 |
| | | 50 grommets Ø22 mm. |

Connection accessories

Cable-tie supports, lateral and longitudinal cross-members

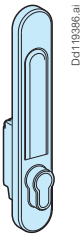
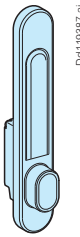
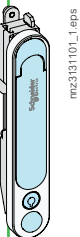
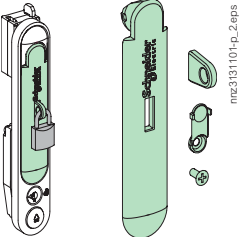
Others

| Mounting | Longitudinal cable-tie supports | | | | Lateral cable-tie supports | |
|-----------------|---|-----------------|-----------------|-----------------|---|-----------------|
| | | | | | | |
| Catalog number | LVS08773 | LVS08774 | LVS08776 | LVS08778 | LVS08794 | LVS08796 |
| Characteristics | W = 300 mm | W = 400 mm | W = 650 mm | W = 800 mm | D = 400 mm | D = 200 mm |
| | Set of 4, supplied with the necessary hardware for connection to the framework. Cable-tie supports are used to correctly position the cables in the connection compartment. | | | | For frameworks that are 400 mm deep, assign a 400 mm deep support to a 200 mm deep support. | |

| Mounting | C-shaped cable-tie supports |
|-----------------|---|
| | |
| Catalog number | LVS08783 |
| Characteristics | <p>C-shaped 1600 mm long support, supplied with hardware for mounting on universal angle brackets and modular rails, that can be cut to length as needed.</p> <p>Can be secured to:</p> <ul style="list-style-type: none"> ■ Universal angle bracket LVS03581 (for the longitudinal support). ■ Universal angle bracket LVS03582 (for the lateral support). ■ Modular rail LVS03593 (for depth adjustment). |

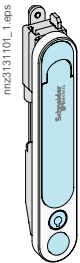

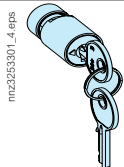



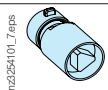
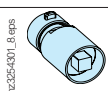
| Mounting | Lateral cross-members | Longitudinal cross-members | |
|-----------------|---|---|---|
| | | | |
| Catalog number | LVS03584 | LVS03586 | LVS03587 |
| Characteristics | Set of 2 W = 400 mm: for frameworks that are 400 mm deep | Set of 2 W = 200 mm: can be added to the 400 mm crossmembers for frameworks that are 600 mm deep. They can also be installed separately. | Set of 2 W = 650 mm They are connected directly to the framework (W = 650 mm). They can also be mounted on the lateral cross-members. |
| | Metallics, they offer numerous positioning holes for easier installation. | | |

Handles and padlocking

| | EURO handle | ASSA/ABLOY handle | RAL 7016 rotary handle | Padlocking |
|-----------------|---|---|---|--|
| |  Dd118386.ai |  Dd118387.ai |  mrc3131101_L1.eps |  mrc3131101-p_2.eps |
| Cat. no. | LVS07932 | LVS07933 | LVS07931 | LVS07938 |
| Characteristics | Supplied without barrel | Supplied without barrel | Supplied with barrel lock (key no. 405) RAL 7016 | For new rotary handle |


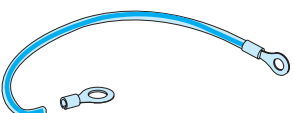
Barrel locks, inserts

The barrel locks and inserts below can mount on all the door handles of Prisma**SeT** P range after removing the standard barrel lock (key n°405).

| Barrels & inserts for rotary handle | | Characteristics | Catalog numbers |
|--|--|-----------------------|-----------------|
|  mrc3131101_L1.eps |  mrc2168101_3.eps | 1 key no. 405 | LVS07940 |
| |  mrc2323301_4.eps | 2 keys no. 455 | LVS07941 |
| | | 2 keys no. 1242E | LVS07942 |
| | | 2 keys no. 3113A | LVS07943 |
| | | 2 keys no. 2433A | LVS07944 |
| |  mrc2323301_5.eps | 2 keys no. 2432E | LVS07956 |
| |  mrc2323701_5.eps | DIN double bar insert | LVS07945 |
|  mrc2323801_6.eps | Screwdriver slot insert | LVS07946 | |
|  mrc2254101_7.eps | Male triangle insert 8 mm | LVS07949 | |
|  mrc2354301_8.eps | Male square insert 6 mm 8 mm | LVS07951 | |
| | | LVS07953 | |

Earthing braid

Earthing braid is used to earth a door or wicket door with devices.

| | Earthing braid, 6 mm ² | Earthing wire, 6 mm ² |
|-----------------|--|---|
| |  DD384368.eps |  DD384368.eps |
| Catalog numbers | LVS08910 | LVS08911 |
| Characteristics | Equipped with a 4 mm diameter lug at one end and a 6 mm diameter lug on the other. W = 200 mm. | Equipped with a 5 mm diameter lug at one end and a 6 mm diameter lug on the other. W = 200 mm. |

Ventilation accessories

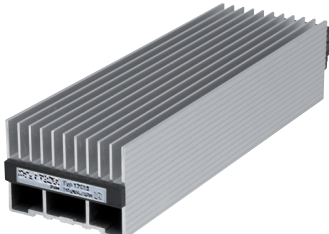

Heat

Others


Resistors

Resistors prevent condensation, corrosion and superficial leakage currents. They maintain a positive temperature in the enclosures and cubicles when external temperatures drop very low.

- Install heaters according to the desired power level at the bottom of the enclosure.
- Respect a safety area of a least 10 cm around the device.
- The heaters must be installed with a thermal controller to control the temperature or the humidity inside the enclosure.
- The enclosure must be sealed to prevent the entry of air from the outside.
- An electrical protection device must be installed on the supply side of the unit.
- Surface temperature limited to 75 °C when the ambient temperature is -5 °C.
- Heaters equipped with a power cable with a length of 500 mm with silicon insulation, or with a connection terminal block.

| Aluminium PTC resistors | | | Resistive heaters with fan | | | | |
|---|--|----------------|---|-------------|----------------|--|----------------|
|  | | |  | | | | |
| Power cord | | Terminal block | | | Terminal block | | |
| Cat. no. | NSYCR10WU2 | NSYCR20WU2 | NSYCR55WU2 | NSYCR100WU2 | NSYCR150WU2 | NSYCR250W230VV | NSYCR400W230VV |
| Power rating (W) | 10 | 25 | 55 | 90 | 150 | 250 | 400 |
| Voltage (V) | 110-250 AC | 110-250 AC | 110-250 AC | 110-250 AC | 110-250 AC | 230 AC | 230 AC |
| Characteristics | <ul style="list-style-type: none"> ■ Vertical mounting. ■ Aluminium case with fins. ■ Temperature: <ul style="list-style-type: none"> □ Turns off at 60 °C. □ Turns on at 25-30 °C (temperature of the resistor itself). ■ Equipped with a symmetrical. | | | | | <ul style="list-style-type: none"> ■ Vertical mounting. ■ Aluminium case with fins. ■ Temperature: <ul style="list-style-type: none"> □ Turns off at 60 °C. □ Turns on at 25-30 °C (temperature of the resistor itself). ■ Equipped with a symmetrical. | |

Thermofan

| Thermofan | |
|---|---|
|  | |
| Terminal block | |
| Cat. no. | NSYCRP1W230VTVC |
| Power rating (W) | 400/550 |
| Voltage (V) | 230 AC |
| Characteristics | <ul style="list-style-type: none"> ■ Combination of a resistance heater and an axial motor to ensure uniform heating of the enclosure. ■ Fixing by clip on a DIN rail. ■ Thermostat adjustable from 0...+60 °C. ■ Visual operation indicator. |

Ventilation accessories


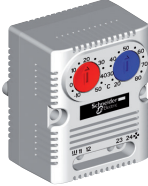

Regulating

Others

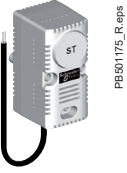
Regulating

The thermostat can control the temperature inside electrical switchboards in conjunction with heating resistors and fans.

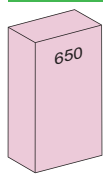
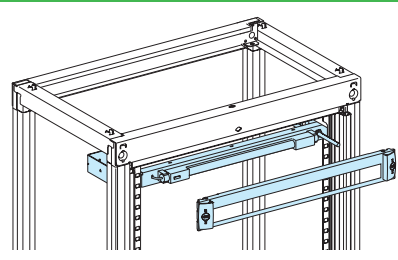
This thermostat can control the activation of a fan and a heater and regulate their temperature independently.

| | Mechanical thermostats | | Electronical thermostats | | |
|---|--|---|---|---|--|
| |  |  |  | | |
| | Thermostat with OF contact | Double thermostat | Electronical thermostat | Electronic hygrotherm | Electronic hygrostat |
| Cat. no. | NSYCCOTHI | NSYCCOTHD | NSYCCOTH230VID | NSYCCOHT230VID | NSYCCOHT230VID |
| Colour of the button | Black | <ul style="list-style-type: none"> ■ Red: with normally closed contact (NC) for controlling the resistance heaters. ■ Blue: with normally open contact (NO) for controlling the fans, signalling systems or alarms. | - | - | - |
| Contact | Inverse, forced rupture | 1 with normally closed contact (NC), 1 with normally open contact (NO), forced rupture. | Free with zero potential | | |
| Internal sensor element | Bimetal | | Internal temperature sensor | - | Internal humidity sensor |
| Switching capacity | 250 V AC ; 10 A (resistive load) | 250 V AC ; 10 A 120 V AC ; 15 A 250 V AC/120 V AC : 2 A (inductive load cos Ø= 0,6) 30 W DC | - | - | - |
| Max interrupting capacity with direct current | 250 V AC 4 A (charge inductive Ø = 0,6) 30 W DC | - | - | - | - |
| Connection | Four 2.5 mm ² terminals | Six 2.5 mm ² terminals | 2 x 2.5 mm ² (input voltage) + 2 relays (2 x 2.5 mm ² + 2 x 2.5 mm ²) | 2 x 2.5 mm ² (input voltage) + 2 relays (2 x 2.5 mm ² + 2 x 2.5 mm ²) | 2 x 2.5 mm ² (input voltage) + 1 relay (2 x 2.5 mm ²) |
| Dimensions (mm) | 67 x 50 x 44 | 60 x 33 x 43 | - | - | - |
| Weight (g) | 100 | 40 | - | - | - |
| Hysteresis | 7° K | 7° K | Programmed 2 °K | 3 % | 3 % |
| Temperature setting range | +5...+60 °C | 0...+60 °C | -40 °C...+80 °C | -40 °C...+80 °C | -40 °C...+80 °C, humidity setting range:20 %...80 % |
| Characteristics | <ul style="list-style-type: none"> ■ Ingress protection rating: IP20. ■ Contact resistance: < 10 mΩ. ■ Service life: > 100 000 cycles. ■ Fixing:by clip on a 35-mm DIN rail. ■ Case : plastic UL 94 V-0, light grey. ■ Operating temperature : -20...+80 °C (-4...+176 °F). ■ Display : °C/°F. ■ Max. command intensity: (NC) 5 A (NO) 10 A. | | <ul style="list-style-type: none"> ■ Ingress protection rating: IP20. ■ Certification : UL/UR. ■ Fixing: 4 different methods: on DIN rail, Spacial SF profile, on VDI cross-rail or on mounting plate. ■ Boîtier : plastique UL 94 V-0, gris clair. ■ Operating temperature : -40 °C...+80 °C. ■ Display : °C/°F. ■ Max. command intensity: 8 (5)A 230 V AC / 5 A 30 V DC. | | |

PTC external temperature sensor (double insulation)

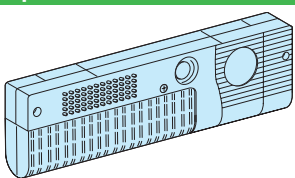
| | |
|-----------------|---|
| |  |
| Cat. no. | NSYCCASTE |
| Characteristics | <ul style="list-style-type: none"> ■ Sensor operation or reading range: -30 °C...+80 °C. ■ IP67. ■ Thermostat installation tips: the thermostat should be installed at the top of the enclosure (the hottest place). See the various operating modes of each thermostat to choose the one that best meets your needs. ■ Hygrostat installation tips: the hygrostat should be installed at the bottom of the enclosure. 60 % RH is the optimum value in the enclosure. |

Lighting system

| Fixed lighting | |
|---|---|
|  |  |
| <p>Catalog number</p> | <p>LVS08964</p> |
| <p>Presentation</p> | <p>This system is generally used to illuminate the front of a switchboard.</p> <ul style="list-style-type: none"> ■ The kit is made up of: <ul style="list-style-type: none"> □ A base □ A neon tube □ A front plate with cut-out (1 module) □ A door contact |
| <p>Characteristics</p> | <ul style="list-style-type: none"> ■ Supply voltage: 220/240 V ■ Power rating: 8 W ■ Height: 1 vertical module (50 mm) |



Switchboard portable lamp

| Switchboard portable lamp | |
|---------------------------|--|
| |  |
| <p>Catalog number</p> | <p>LVS08965</p> |
| <p>Presentation</p> | <ul style="list-style-type: none"> ■ Lamp with a magnetic base for installation behind a door or directly on the cubicle framework. ■ Supplied without a power cord. ■ H x W x D: 90 x 345 x 42 |
| <p>Characteristics</p> | <ul style="list-style-type: none"> ■ Supply voltage: 220/240 V ■ Power rating: 11 W ■ Lamp: picoline OSRAM 8W (supplied) ■ Class 2 ■ IP20 |

Functional Units

Contents

Circuit breakers

| | |
|---|------|
| MasterPact MTZ2 | |
| Cables connection | D-36 |
| Canalis connection | D-38 |
| Partial front plate support frames | D-40 |
| MasterPact MTZ1 | |
| Cables connection | D-42 |
| Canalis connection | D-43 |
| Dedicated cubicle 3P - W = 400 mm | D-44 |
| ComPacT NS1600b to 3200 (only for feeder cubicles) | |
| Cables connection | D-46 |
| ComPacT NS630b to NS1600 | |
| Cables connection | D-47 |
| Canalis connection | D-48 |
| ComPacT NS630b to 1000 | |
| Horizontal mounting | D-49 |
| ComPacT NS630b to 1600 | D-50 |
| ComPacT NSX 100 to 630 | D-52 |
| ComPacT NSXm up to 160 | D-55 |

Switch-disconnectors

| | |
|--|------|
| ComPacT INS-INV630b to 2500 (only for feeder cubicles) | D-56 |
| ComPacT INS-INV250 to 630 (only for feeder cubicles) | D-57 |

Source-changeover

| | |
|--|------|
| MasterPact MTZ1 06/16, MTZ2 08/32 | D-58 |
| MasterPact MTZ2 08/32 | D-59 |
| MasterPact MTZ1 06/16 | D-63 |
| Manual source-changeover | |
| ComPacT NSX100/630 | D-66 |
| Remote-operated source-changeover | |
| ComPacT NSX100/630 | D-67 |

Fusegear

| | |
|-------------|------|
| Fupact ISFL | D-68 |
|-------------|------|

Fusegear/Switch-disconnector

| | |
|-------------|------|
| Fupact ISFT | D-69 |
| Fupact GS | D-70 |

Others

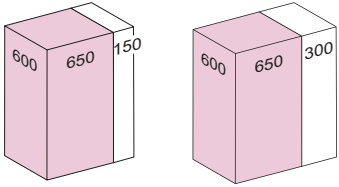
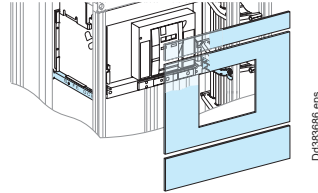
| | |
|---|------|
| Power factor correction equipment | D-71 |
| Industrial control devices | D-72 |
| Modular devices | |
| Acti 9 ≤ 63 A | D-73 |
| 80/160 A switchboard incomer | D-74 |
| Metering | |
| Single-phase and 3-phase kilowatt-hour meters | D-75 |
| Metering and human-switchboard interface | |
| PowerLogic™ Meters | D-76 |

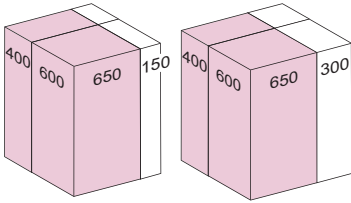
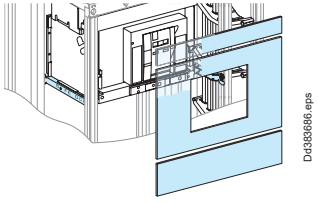
MasterPact MTZ2 08 to 32


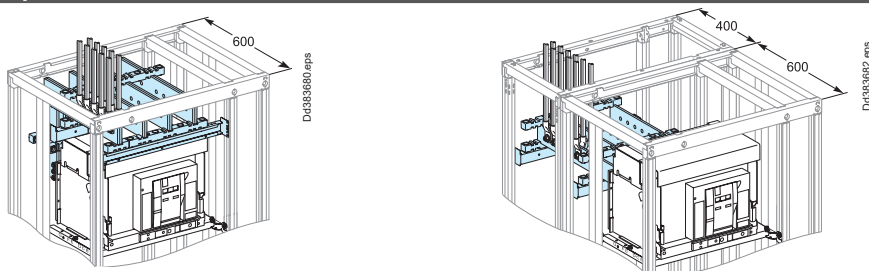
Cables connection

Fixed, withdrawable

Circuit breakers

| Mounting | | Front connection | | | |
|---|--|---|--------------|---------------------|---------------|
|  | |  | | | |
| Devices | | Fixed device | | Withdrawable device | |
| | | MTZ2 08/16 | MTZ2 20/32 | MTZ2 08/16 | MTZ2 20/32 |
| Number of devices per row | | 1 | 1 | 1 | 1 |
| No. of vertical modules ⁽¹⁾ | | 18 | 19 | 19 | 20 |
| Mounting plates | | LVS03500 | | LVS03500 | |
| Front plates | | LVS03804 [4] | | LVS03804 [4] | |
| [No. of vertical modules] | | upstream | LVS03805 [5] | LVS03710 [10] | LVS03805 [5] |
| | | with cut-out | LVS03711 [9] | LVS03711 [9] | LVS03710 [10] |
| | | downstream | LVS03805 [5] | LVS03805 [5] | LVS03805 [5] |

| Mounting | | Rear connection | | | |
|--|--|--|--------------|---------------------|---------------|
|  | |  | | | |
| Devices | | Fixed device | | Withdrawable device | |
| | | MTZ2 08/16 | MTZ2 20/32 | MTZ2 08/16 | MTZ2 20/32 |
| Number of devices per row | | 1 | 1 | 1 | 1 |
| No. of vertical modules | | 14 | 14 | 15 | 15 |
| Mounting plates | | LVS03500 | | LVS03500 | |
| Front plates | | LVS03711 [9] | | LVS03710 [10] | |
| [No. of vertical modules] | | with cut-out | LVS03711 [9] | LVS03710 [10] | LVS03710 [10] |
| | | downstream | LVS03805 [5] | LVS03805 [5] | LVS03805 [5] |

| Connection | | Upstream on incomer | |
|---|--|--|---------------------|
|  | |  | |
| Devices | | Fixed device | Withdrawable device |
| | | MTZ2 08/32 | MTZ2 08/32 |
| Type of terminals | | Vertical rear connections supplied with the device | |
| Connection | | must be made ⁽²⁾ | |
| Front connection | | bar supports cables cover | |
| | | 2 x LVS04694 + LVS04678 LVS04861 | |
| Rear connection | | bar supports cables cover | |
| | | 2 x LVS04694 LVS04863 | |

(1) For downstream connection with copper.

For downstream prefabricated connection with Linergy LGE, 1 additional module is required only for MTZ2 3200 A. Select downstream plain front plate (LVS03806).


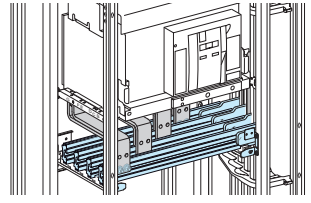
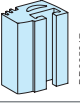
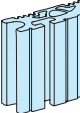
(2) Connection to be made according to the busbar drawings supplied by Schneider Electric.

MasterPact MTZ2 08 to 32

Cables connection

Fixed, withdrawable

Circuit breakers

| Distribution | | Downstream on Lineryy LGY, LGYE busbars | | | | | |
|--|--------------|---|----------|---|--------------|-----------------------------------|-------------------------|
|  | |  | | | | | |
| Devices | | Fixed and withdrawable MTZ2 08/16 | | Fixed and withdrawable MTZ2 20/25 | | Fixed and withdrawable MTZ2 32 | |
| | | 3P | 4P | 3P | 4P | 3P | 4P |
| Type of terminals | | Front connections supplied with the device. | | | | | |
| For vertical busbar Lineryy LGY  | Connection | LVS04493 | LVS04494 | must be made according to the busbar drawings supplied by Schneider Electric. | | | |
| | Joint | LVS04683 | LVS04684 | - | | | |
| | Free support | - | - | 2 x LVS04662 For I _{cw} ≥ 75 kA rms, add an additional free support LVS04662. | | | |
| | Cover | LVS04925 + LVS04928 | | LVS04926 + LVS04927 | | | |
| For vertical busbar Lineryy LGYE ⁽¹⁾  | Connection | - | - | LVS04495 | LVS04496 | LVS04497 ⁽²⁾ | LVS04498 ⁽²⁾ |
| | Joint | - | - | 3 x LVS04685 | 4 x LVS04685 | 3 x LVS04687 | 4 x LVS04687 |
| | Free support | 2 x LVS04662 For I _{cw} ≥ 75 kA rms, add an additional free support LVS04662. | | | | | |
| | Cover | LVS04925 + LVS04928 | | | | | |

(1) For LGYE 08/25, use a duct W = 150 mm. For LGYE 32, use a duct W = 300 mm.

(2) One additional module is required, select LVS03806 plain front plate for downstream.

Note: To make measurements, install the CTs preferably upstream, on the supply terminal extension bars or install the CTs on the horizontal busbars (busbar connection). In this case, add one module and a plain front plate (LVS03801) or install a Micrologic control unit capable of displaying the values.

Selection of busbars: Lineryy LGY > page D-83, Lineryy LGYE > page D-84.

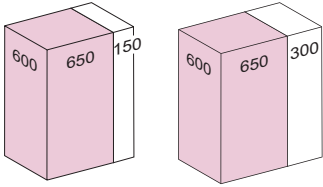
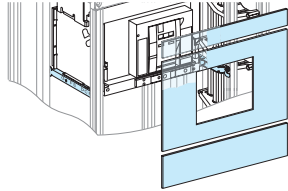


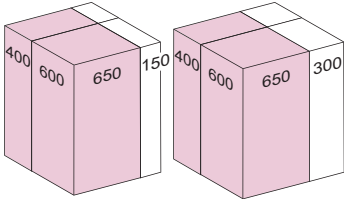
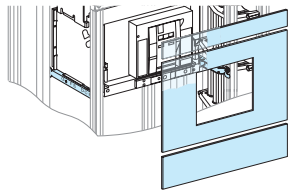
MasterPact MTZ2 08 to 32


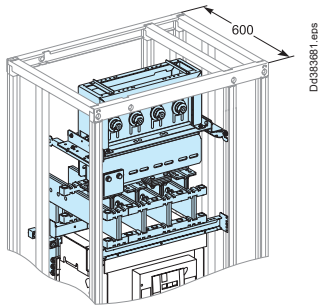
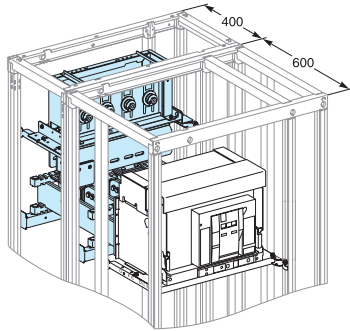
Canalis connection

Fixed, withdrawable

Circuit breakers

| Mounting | | Front connection | | | |
|---|--------------|---|-----------------------------------|---------------------|----------------------------------|
|  | |  | | | |
| Devices | | Fixed device | | Withdrawable device | |
| | | MTZ2 08/16 | MTZ2 20/32 | MTZ2 08/16 | MTZ2 20/32 |
| Number of devices per row | | 1 | 1 | 1 | 1 |
| No. of vertical modules ⁽¹⁾ | | 27 | 28 | 27 | 28 |
| Mounting plates | | LVS03500 | LVS03500 | LVS03500 | LVS03500 |
| Front plates [No. of vertical modules] | upstream | LVS03805 [5] 2 x LVS03804 [8] | 2 x LVS03805 [10] LVS03804 [4] | 3 x LVS03804 [12] | LVS03805 [5] 2 x LVS03804 [8] |
| | with cut-out | LVS03711 [9] | LVS03711 [9] | LVS03710 [10] | LVS03710 [10] |
| | downstream | LVS03805 [5] | LVS03805 [5] | LVS03805 [5] | LVS03805 [5] |

| Mounting | | Rear connection | | | |
|--|--------------|--|--------------------------------|--------------------------------|--------------------------------|
|  | |  | | | |
| Devices | | Fixed device | | Withdrawable device | |
| | | MTZ2 08/16 | MTZ2 20/32 | MTZ2 08/16 | MTZ2 20/32 |
| Number of devices per row | | 1 | 1 | 1 | 1 |
| No. of vertical modules | | 16 | 16 | 17 | 17 |
| Mounting plates | | LVS03500 | LVS03500 | LVS03500 | LVS03500 |
| Front plates [No. of vertical modules] | upstream | LVS03804 [4] + LVS03803 [3] | LVS03804 [4] + LVS03803 [3] | LVS03804 [4] + LVS03803 [3] | LVS03804 [4] + LVS03803 [3] |
| | with cut-out | LVS03711 [9] | LVS03711 [9] | LVS03710 [10] | LVS03710 [10] |

| Connection | | Upstream on incomer | | | | | | | | | | | |
|---|----------------|---|------------|----------|---------------------|------------|--|------------|------------|----------|----------|----------|----------|
|  | |  | | | | |  | | | | | | |
| Devices | | Fixed device | | | Withdrawable device | | | | | | | | |
| | | MTZ2 08/16 | MTZ2 20/25 | MTZ2 32 | MTZ2 08/16 | MTZ2 20/25 | MTZ2 32 | MTZ2 08/16 | MTZ2 20/25 | MTZ2 32 | MTZ2 32 | | |
| Type of terminals | | Vertical rear connections supplied with the device | | | | | | | | | | | |
| Canalis support | | LVS03561 | | | | | | | | | | | |
| Canalis interface ⁽²⁾ | | 3P | 4P | 3P | 4P | 3P | 4P | 3P | 4P | 3P | 4P | 3P | 4P |
| | | LVS04715 | LVS04716 | LVS04725 | LVS04726 | LVS04735 | LVS04736 | LVS04715 | LVS04716 | LVS04725 | LVS04726 | LVS04735 | LVS04736 |
| Front connection | Bar supports | 2 x LVS04694 + LVS04678 | | | | | | | | | | | |
| | Extension bars | must be made ⁽³⁾ | | | | | | | | | | | |
| | Canalis Cover | LVS04871 + LVS04861 | | | | | | | | | | | |
| Rear connection | Bar supports | 2 x LVS04694 | | | | | | | | | | | |
| | Extension bars | must be made ⁽³⁾ | | | | | | | | | | | |
| | Canalis Cover | LVS04871 + LVS04863 | | | | | | | | | | | |

(1) For downstream connection with copper.

For downstream prefabricated connection with Linergy LGE, 1 additional module is required only for MTZ2 3200 A. Select downstream plain front plate (LVS03806).

(2) To tight the screws of the Canalis interface use the special tool 87808.


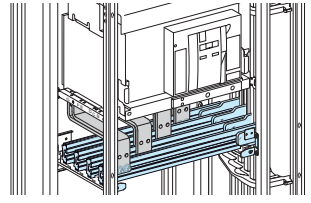
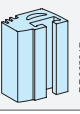
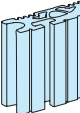
(3) Connection to be made according to the busbar drawings supplied by Schneider Electric.

MasterPact MTZ2 08 to 32

Canalis connection

Fixed, withdrawable

Circuit breakers

| Distribution | | Downstream on Linergy LGY, LGYE busbars | | | | | |
|--|--------------|--|-----------------|--|---------------------|--------------------------------|--------------------------------|
|  | |  | | | | | |
| Fixed / Withdrawable devices | | MTZ2 08/16 | | MTZ2 20/25 | | MTZ2 32 | |
| | | 3P | 4P | 3P | 4P | 3P | 4P |
| Type of terminals | | Front connections supplied with the device. | | | | | |
| For vertical busbar Linergy LGY  | Connection | LVS04493 | LVS04494 | must be made according to the busbar drawings supplied by Schneider Electric. | | | |
| | Joint | LVS04683 | LVS04684 | - | | | |
| | Free support | - | - | 2 x LVS04662 For $I_{cw} \geq 75$ kA rms, add an additional free support LVS04662 . | | | |
| | Cover | LVS04925 + LVS04928 | | LVS04926 + LVS04927 | | | |
| For vertical busbar Linergy LGYE ⁽¹⁾  | Connection | - | - | LVS04495 | LVS04496 | LVS04497 ⁽²⁾ | LVS04498 ⁽²⁾ |
| | Joint | - | - | 3 x LVS04685 | 4 x LVS04685 | 3 x LVS04687 | 4 x LVS04687 |
| | Free support | 2 x LVS04662 For $I_{cw} \geq 75$ kA rms, add an additional free support LVS04662 . | | | | | |
| | Cover | LVS04925 + LVS04928 | | | | | |

(1) For LGYE 08/25, use a duct W = 150 mm. For LGYE 32, use a duct W = 300 mm.

(2) One additional module is required, select **LVS03806** plain front plate for downstream.

Note: To make measurements, install the CTs preferably upstream, on the supply terminal extension bars or install the CTs on the horizontal busbars (busbar connection). In this case, add one module and a plain front plate (**LVS03801**) or install a Micrologic control unit capable of displaying the values. Selection of busbars: Linergy LGY > page D-83, Linergy LGYE > page D-84.



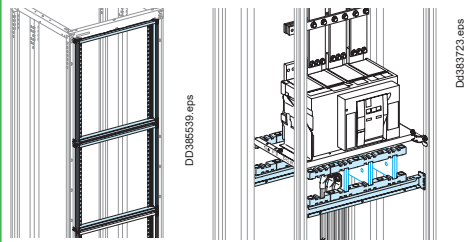
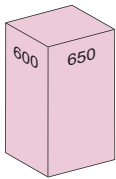
MasterPact MTZ2 08 to 32

Partial front plate support frames

Withdrawable

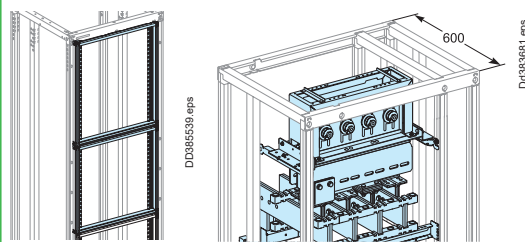
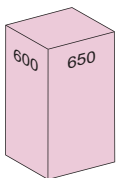
Circuit breakers

Mounting Front connection with cables in dedicated cubicle



| | | |
|---|---|-------------------|
| Devices | Withdrawable device | |
| | MTZ2 08/32 | |
| No. of vertical modules | 36 ⁽³⁾ | |
| Mounting plates | LVS03500 | |
| Front plates [No. of vertical modules] | upstream | 2 x LVS03806 [12] |
| | with cut-out | LVS03709 [10] |
| | downstream | 2 x LVS03806 [12] |
| 1/3 front plate support frame | LVS08560 ⁽¹⁾ + 2 x LVS08562 ⁽²⁾ | |
| Cover | LVS04861 | |

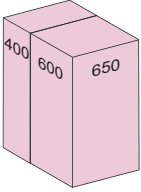
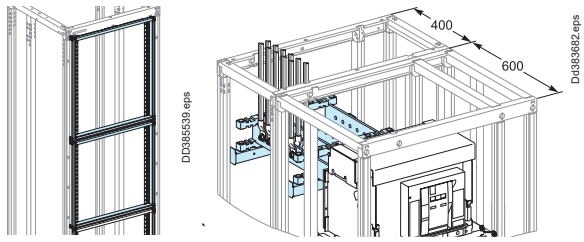
Mounting Canalis front connection



| | | |
|---|---|-------------------|
| Devices | Withdrawable device | |
| | MTZ2 08/16 | MTZ2 20/32 |
| No. of vertical modules | 27 ⁽³⁾ | 28 ⁽³⁾ |
| Mounting plates | LVS03500 | |
| Front plates [No. of vertical modules] | upstream | 3 x LVS03804 [12] |
| | with cut-out | LVS03709 [10] |
| | downstream | LVS03804 [4] |
| 1/3 front plate support frame | LVS08560 ⁽¹⁾ + 2 x LVS08562 ⁽²⁾ | |
| Cover | LVS04861 | |

MasterPact MTZ2 08 to 32
 Partial front plate support frames
 Withdrawable

Circuit breakers

| Mounting | | Rear connection with cables | |
|---|--------------|--|--|
|  | |  | |
| Devices | | Withdrawable device | |
| | | MTZ2 08/32 | |
| No. of vertical modules | | 15 ⁽³⁾ | |
| Mounting plates | | LVS03500 | |
| Front plates | upstream | - | |
| [No. of vertical modules] | with cut-out | LVS03709 [10] | |
| | downstream | LVS03804 [4] | |
| 1/3 front plate support frame | | LVS08560 ⁽¹⁾ + 2 x LVS08562 ⁽²⁾ | |

- (1) 1/3 front plate support frame 10 modules.
- (2) 1/3 front plate support frame 12 modules.
- (3) Modularity includes the space of one module between each front plate support frame.

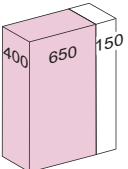
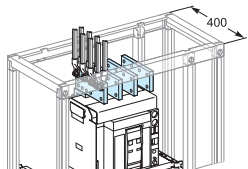


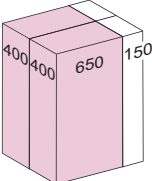
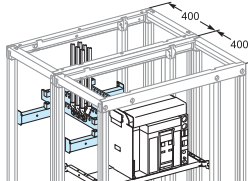
MasterPact MTZ1 06 to 16


Cables connection



Toggle, motor mechanism - Fixed, withdrawable

Circuit breakers

| Mounting | | Front connection with cables | | | |
|---|--------------|---|--------------|---------------------|--------------|
|  | |  | | | |
| Devices | | Fixed device | | Withdrawable device | |
| | | MTZ1 06/10 | MTZ1 12/16 | MTZ1 06/10 | MTZ1 12/16 |
| Number of devices per row | | 1 | 1 | 1 | 1 |
| No. of vertical modules | | 12 | 14 | 13 | 15 |
| Mounting plates | | LVS03484 | LVS03484 | LVS03483 | LVS03483 |
| Front plates [No. of vertical modules] | upstream | LVS03802 [2] | LVS03804 [4] | LVS03802 [2] | LVS03804 [4] |
| | with cut-out | LVS03692 [7] | LVS03692 [7] | LVS03691 [8] | LVS03691 [8] |
| | downstream | LVS03803 [3] | LVS03803 [3] | LVS03803 [3] | LVS03803 [3] |

| Mounting | | Rear connection with cables | | | |
|---|--------------|---|--|---------------------|--|
|  | |  | | | |
| Devices | | Fixed device | | Withdrawable device | |
| | | MTZ1 06/16 | | MTZ1 06/16 | |
| Number of devices per row | | 1 | | 1 | |
| No. of vertical modules | | 11 | | 11 | |
| Mounting plates | | LVS03484 | | LVS03483 | |
| Front plates [No. of vertical modules] | upstream | LVS03801 [1] | | - | |
| | with cut-out | LVS03692 [7] | | LVS03691 [8] | |
| | downstream | LVS03803 [3] | | LVS03803 [3] | |

| Connection | | Upstream on incomer | | | | | | | |
|---|--------------------------------|--|-----------|------------|-----------|---------------------|-----------|------------|-----------|
|  | | | | | | | | | |
| Devices | | Fixed device | | | | Withdrawable device | | | |
| | | MTZ1 06/10 | | MTZ1 12/16 | | MTZ1 06/10 | | MTZ1 12/16 | |
| | | 3P | 4P | 3P | 4P | 3P | 4P | 3P | 4P |
| Front connection | type of terminals | Front connections supplied with the device | | | | | | | |
| | vert. connection adapters | 33642 (1) | 33643 (1) | 33642 (1) | 33643 (1) | 33642 (1) | 33643 (1) | 33642 (1) | 33643 (1) |
| | cable-lug adapters | Direct | | 33644 (1) | 33645 (1) | Direct | | 33644 (1) | 33645 (1) |
| | spacing rods | - | | LVS04691 | | - | | LVS04691 | |
| | arc-chute cover | 47335 | 47336 | 47335 | 47336 | - | | | |
| | cables cover | LVS04852 | | | | | | | |
| Rear connection | type of terminals | Vertical rear connections supplied with the device | | | | | | | |
| | terminal extension bar support | 2 x LVS04693 | | | | | | | |
| | cables cover | LVS04854 | | | | | | | |
| | extension bars | must be made (2) | | | | | | | |

| Distribution | | Downstream on Linergy LGY or LGYE busbars | | | | | | | |
|---|--------------|---|----------|----------|----------|---------------------|----------|----------|----------|
|  | |  | | | | | | | |
| Devices | | Fixed device | | | | Withdrawable device | | | |
| | | MTZ1 06/12 | | MTZ1 16 | | MTZ1 06/12 | | MTZ1 16 | |
| | | 3P | 4P | 3P | 4P | 3P | 4P | 3P | 4P |
| Type of terminals | | Front connections supplied with the device | | | | | | | |
| Prefabricated connection to busbars | Linergy LGY | LVS04475 | LVS04476 | LVS04489 | LVS04490 | LVS04477 | LVS04478 | LVS04491 | LVS04492 |
| | Linergy LGYE | must be made (2) | | | | | | | |
| Cover for busbars connection | | add free supports: 2 x LVS04662 | | | | | | | |
| | | LVS04926 | | | | | | | |

(1) Vertical connection adapters and cable-lug adapters and CT, are not compatible with input voltage ≥ 440 V due to mandatory barriers installation (LVS33648 or LVS33768)

(2) Connection to be made according to the busbar drawings supplied by Schneider Electric.

Note: To make measurements, install the CTs on the horizontal busbars (busbar connection); in this case, an additional module is required; add a plain front plate (LVS03801) or install a Micrologic control unit capable of displaying the values.

Selection of busbars: Linergy LGY > page D-83, Linergy LGYE > page D-84.

MasterPact MTZ1 06 to 16

Canalis connection

Toggle, motor mechanism - Fixed, withdrawable

Circuit breakers

| Mounting | | Canalis front connection | | | |
|---------------------------|--------------|-----------------------------|----------------|-----------------------------|----------------|
| | | | | | |
| Devices | | Fixed device | | Withdrawable device | |
| | | MTZ1 06/12 | MTZ1 16 | MTZ1 06/12 | MTZ1 16 |
| Number of devices per row | | 1 | - | 1 | - |
| No. of vertical modules | | 17 | - | 18 | - |
| Mounting plates | | LVS03484 | - | LVS03483 | - |
| Front plates | upstream | LVS03804 [4] + LVS03803 [3] | - | LVS03804 [4] + LVS03803 [3] | - |
| [No. of vertical modules] | with cut-out | LVS03692 [7] | - | LVS03691 [8] | - |
| | downstream | LVS03803 [3] | - | LVS03803 [3] | - |

| Mounting | | Canalis rear connection | | | |
|---------------------------|--------------|-------------------------|--|----------------------------|--|
| | | | | | |
| Devices | | Fixed device | | Withdrawable device | |
| | | MTZ1 06/16 | | MTZ1 06/16 | |
| Number of devices per row | | 1 | | 1 | |
| No. of vertical modules | | 16 | | 16 | |
| Mounting plates | | LVS03484 | | LVS03483 | |
| Front plates | upstream | LVS03806 [6] | | LVS03805 [5] | |
| [No. of vertical modules] | with cut-out | LVS03692 [7] | | LVS03691 [8] | |
| | downstream | LVS03803 [3] | | LVS03803 [3] | |

| Connection | | Upstream on incomer | | | | | | | |
|-----------------------|--------------------------------|--|----------|----------------|----------|----------------------------|----------|----------------|----------|
| | | | | | | | | | |
| Devices | | Fixed device | | | | Withdrawable device | | | |
| | | MTZ1 06/12 | | MTZ1 16 | | MTZ1 06/12 | | MTZ1 16 | |
| | | 3P | 4P | 3P | 4P | 3P | 4P | 3P | 4P |
| Canalis support | | LVS03561 | | | | - | | | |
| Canalis interface (1) | | LVS04703 | LVS04704 | LVS04703 | LVS04704 | LVS04703 | LVS04704 | LVS04703 | LVS04704 |
| Front connection | Type of terminals | Front connections supplied with the device | | | | | | | |
| | Canalis/device connection | LVS04711 | LVS04712 | - | | LVS04711 | LVS04712 | - | |
| | Arc-chute cover | 47335 | 47336 | - | | - | | - | |
| | Canalis cover | LVS04871 + LVS04852 | | | | LVS04871 + LVS04852 | | | |
| Rear connection | Type of terminals | Vertical rear connections supplied with the device | | | | | | | |
| | Terminal extension bar support | 2 x LVS04693 | | | | - | | | |
| | Canalis/device connection | LVS04713 | LVS04714 | LVS04713 | LVS04714 | LVS04713 | LVS04714 | LVS04713 | LVS04714 |
| | Cable cover | LVS04871 + LVS04854 | | | | | | | |
| | Extension bars | must be made (2) | | | | | | | |

| Distribution | | Downstream on Linergy LGY or LGYE busbars | | | | | | | |
|-------------------------------------|--------------|--|----------|----------------|----------|----------------------------|----------|----------------|----------|
| | | | | | | | | | |
| Devices | | Fixed device | | | | Withdrawable device | | | |
| | | MTZ1 06/12 | | MTZ1 16 | | MTZ1 06/12 | | MTZ1 16 | |
| | | 3P | 4P | 3P | 4P | 3P | 4P | 3P | 4P |
| Type of terminals | | Front connections supplied with the device | | | | | | | |
| Prefabricated connection to busbars | Linergy LGY | LVS04475 | LVS04476 | LVS04489 | LVS04490 | LVS04477 | LVS04478 | LVS04491 | LVS04492 |
| | Linergy LGYE | must be made (2) | | | | | | | |
| | | add free supports: 2 x LVS04662 | | | | | | | |
| Cover for busbars connection | | LVS04926 | | | | | | | |

(1) To tight the screws of the Canalis interface use the special tool 87808.

(2) Connection to be made according to the busbar drawings supplied by Schneider Electric.

Note: To make measurements, install the CTs on the horizontal busbars (busbar connection); in this case, an additional module is required; add a plain front plate (LVS03801) or install a Micrologic control unit capable of displaying the values.

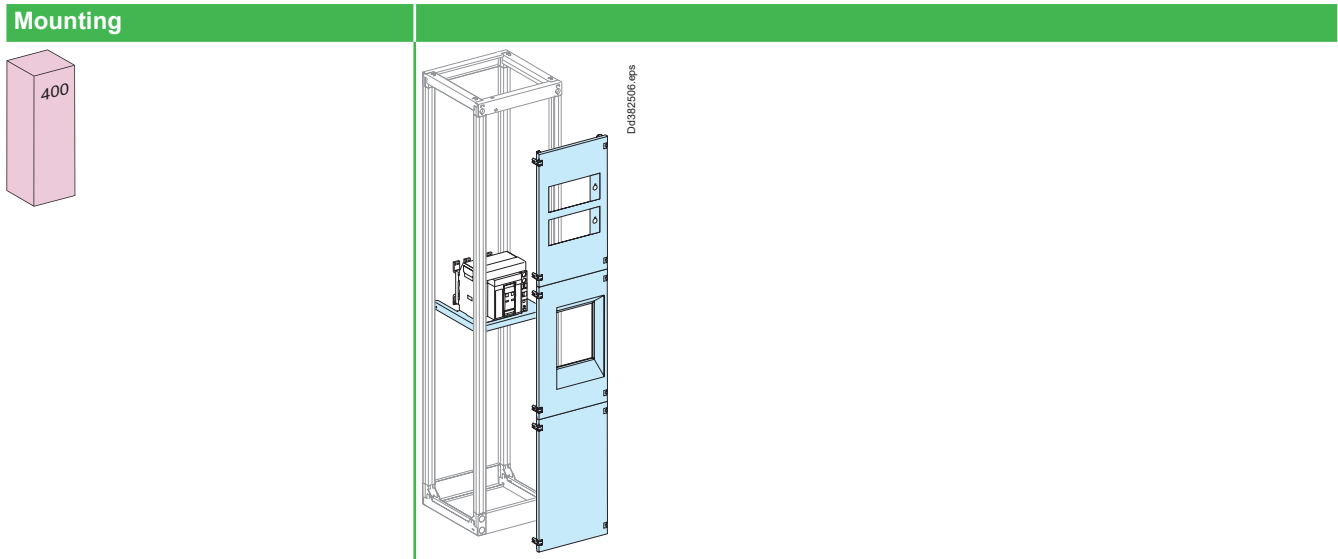
Selection of busbars: Linergy LGY > page D-83, Linergy LGYE > page D-84.

MasterPact MTZ1 06 to 16

Dedicated cubicle 3P - W = 400 mm

Fixed, withdrawable

Circuit breakers



| Devices | Fixed device | Withdrawable device |
|---|---|---------------------|
| | MTZ1 06 to MTZ1 16 | |
| Number of devices per cubicle | 1 | 1 |
| No. of vertical modules | 37 | 37 |
| Mounting plates | LVS03489 | LVS03488 |
| Front plates [No. of vertical modules] | with cut-out | LVS03698 [11] |
| | upstream ⁽¹⁾ cut-out for 72 x 72 or 96 x 96 mm | LVS03723 [13] |
| | or plain | LVS03722 [13] |
| | downstream ⁽¹⁾ plain | LVS03722 [13] |

Measurement-device installation

Measurement devices are installed on a front plate (LVS03723) using plastic mounting plates with cut-outs.

The front plate can hold:

- Six 72 x 72 mm cases
- or,
- Four 96 x 96 mm cases + 2 switches.

| Number and type of devices per row | Metal front plate with cut-out | No. of vertical modules | Plastic mounting plates with cut-out | Blanking plate or device support |
|---|---|-------------------------|--------------------------------------|--|
| Mounting on interface with plastic mounting plates | | | | |
| 3 x 72 x 72 Vigirex and other devices 72 x 72 without switch | | 13 | | To blank-off or install: - from 1 to 4 buttons Ø 16 or 22 mm - 1 device 45 x 45 |
| 2 x 96 x 96 Power Meter and others devices 96 x 96 | | | | To blank-off or install: - 1 to 4 buttons Ø 16 or 22 mm - 1 device 45 x 45 - 1 device 72 x 72 |
| 1 x 96 x 96 For PM200, 200P, PM5 & PM8 series meters ⁽²⁾ | LVS03723 | | LVS03903 | LVS03901 |
| Characteristics | <ul style="list-style-type: none"> ■ Installation of three devices (72 x 72 mm cases) using plastic mounting plates (LVS03902) and two devices (96 x 96 mm cases) + a switch using plastic mounting plates (LVS03903) on a hinged front plate (LVS03723). ■ The plain mounting plates have knock-outs for lamps, pushbuttons, switches or devices. Knock-outs for LVS03900: 4 Ø 16 mm, 5 Ø 22 mm or one for a 45 x 45 mm device. Knock-outs for LVS03901: 4 Ø 16 mm, 5 Ø 22 mm or one for a 45 x 45 or 72 x 72 mm device. | | | |

(1) Hinged or reversible (left or right-hand opening) front plates connect directly to the framework, without a front-plate support frame.


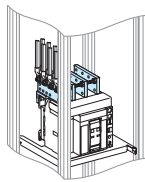
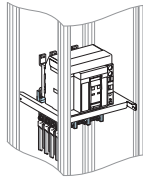
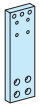


(2) For PM200, 200P, PM5 & PM8 series meters, use 1 no. blank-off sheet with each meter in a row.

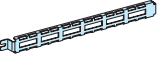
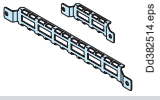
MasterPact MTZ1 06 to 16

Dedicated cubicle 3P - W = 400 mm


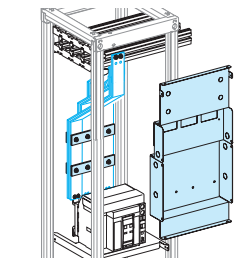
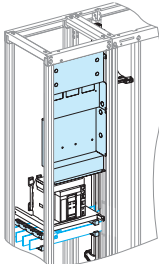
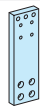
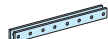

Fixed, withdrawable

Circuit breakers

| Connection | Upstream on incomer | |
|---|--|---|
|  |  DD382672_1.eps |  DD382689.eps |
| Devices | Fixed device | Withdrawable device |
| | MTZ1 06 to MTZ1 16 | |
| Type of terminals  | Front connection | Front connection |
| Arc-chute cover  | 47335 | - |
| Vert. conn. adapters | 33642 (1) | 33642 (1) |
| Cable-lug adapters | 33644 (1) | 33644 (1) |
| Spacing rods  | LVS04691 | LVS04691 |

| Accessories | | |
|------------------------------------|---|--|
| |  DD382513.eps |  DD382514.eps |
| | W = 400 | D = 400 D = 600 |
| 4 cable tie supports for framework | LVS08774 | LVS08794 LVS08794 + LVS08796 |

(1) Vertical connection adapters and cable-lug adapters are not compatible with input voltage ≥ 500 V.

| Distribution | Downstream on horizontal busbars Linery LGE | Downstream on vertical busbars Linery LGE |
|---|--|--|
|  |  DD384890.eps |  DD3853814.eps |
| Fixed / Withdrawable devices | MTZ1 06 to MTZ1 16 | MTZ1 06 to MTZ1 16 |
| Type of terminals  | Front connection | Front connection |
| Support  | 2 x LVS04692 For MTZ1 H1 & H2 3 x LVS04692 For MTZ1 H3 | LVS04662 |
| Barrier (1)  | LVS04855 | LVS04855 |
| Horizontal-busbar connections 10 mm thickness bars | must be made (2) | - |
| Vertical-busbar connections | - | must be made (2) |
| Free support | - | LVS04662 |

(1) A barrier must be installed behind front plate **LVS03723** when measurement devices are installed.

(2) Connection to be made according to the busbar drawings supplied by Schneider Electric.

(3) Catalog number **LVS04636** includes 1 connection only. Order 1 connection per phase.

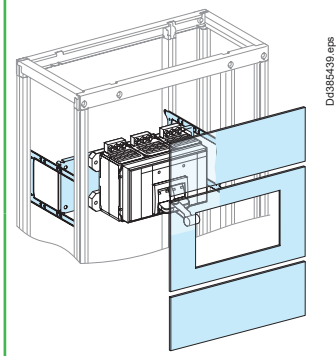
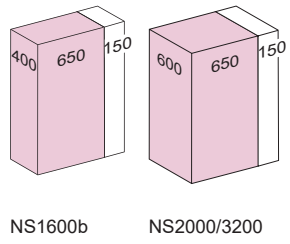
ComPacT NS1600b to 3200 (only for feeder cubicles)

Cables connection

Fixed

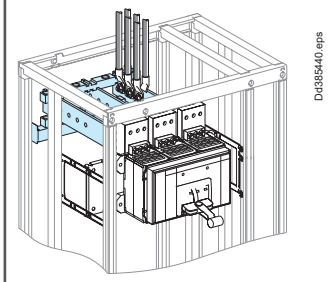
Circuit breakers

Mounting | **Front connection**



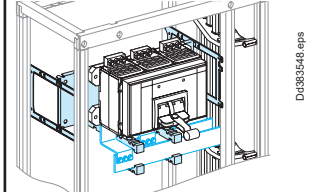
| Devices | | Fixed device | |
|---|--------------|--------------|--------------|
| | | NS1600b | NS2000/3200 |
| Number of devices per row | | 1 | 1 |
| No. of vertical modules | | 14 | 16 |
| Mounting plates | | LVS03501 | LVS03501 |
| Front plates [No. of vertical modules] | upstream | LVS03802 [2] | LVS03802 [2] |
| | with cut-out | LVS03716 [8] | LVS03716 [8] |
| | downstream | LVS03804 [4] | LVS03806 [6] |

Connection | **Upstream on incomer**



| Fixed devices | | NS1600b/2500 | NS3200 |
|--------------------------------|----|--|--------|
| Type of terminals | | Front connections supplied with the device | |
| Vertical-connection adapters | 3P | 33975 | 33975 |
| | 4P | 33976 | 33976 |
| Terminal extension bar support | | LVS04694 | |
| Extension bars | | must be made ⁽¹⁾ | |

Distribution | **Downstream on Linergy LGY or LGYE busbars**



| Fixed devices | | NS1600b | NS2000/2500 | NS3200 |
|-------------------------------------|--|--|-------------|----------|
| Type of terminals | | Front connections supplied with the device | | |
| Busbars connection | | must be made ⁽¹⁾⁽²⁾ | | |
| Free support for busbars connection | | 2 x LVS04662 | | |
| Cover for busbars connection | | LVS04926 | LVS04926 | LVS04926 |
| Additional cover | | - | LVS04927 | LVS04927 |

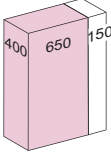
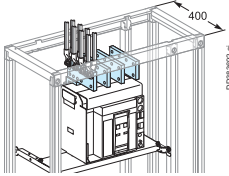
(1) Connection to be made according to the busbar drawings supplied by Schneider Electric. LGYE: +17.5 mm than BS.
 (2) For the connection to flat busbars > 1600 A, order one joint per phase:
 ■ 1 joint for busbars, W = 50/60 mm (LVS04640)
 ■ 1 joint for busbars, W = 80/100 mm (LVS04641)
Note: To make measurements:
 ■ Install the CTs on the horizontal busbars (busbar connection); in this case, an additional module is required; add a plain front plate (LVS03801)
 ■ Or install a Micrologic control unit capable of displaying the values.
 Selection of busbars: Linergy LGY > page D-83, Linergy LGYE > page D-84.

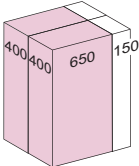
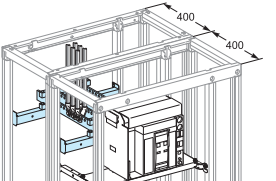
ComPacT NS630b to NS1600


Cables connection


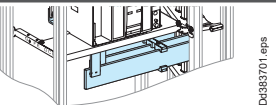
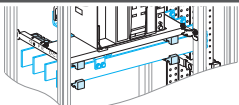
Toggle, rotary handle, motor mechanism - Fixed, withdrawable

Circuit breakers

| Mounting | | Front connection with cables | | | |
|---|--|---|--------------|---------------------|--------------|
|  | |  | | | |
| Devices | | Fixed device | | Withdrawable device | |
| | | NS630b/1000 | NS1250/1600 | NS630b/1000 | NS1250/1600 |
| Number of devices per row | | 1 | 1 | 1 | 1 |
| No. of vertical modules | | 12 | 14 | 13 | 15 |
| Mounting plates | | LVS03482 | LVS03482 | LVS03483 | LVS03483 |
| Front plates | | upstream LVS03802 [2] | LVS03804 [4] | LVS03802 [2] | LVS03804 [4] |
| [No. of vertical modules] with cut-out | | LVS03690 or LVS03701 ⁽¹⁾ [7] | | LVS03691 [8] | LVS03691 [8] |
| downstream | | LVS03803 [3] | LVS03803 [3] | LVS03803 [3] | LVS03803 [3] |

| Mounting | | Rear connection with cables | |
|---|--|---|---------------------|
|  | |  | |
| Devices | | Fixed device | Withdrawable device |
| | | NS630b/1600 | NS630b/1600 |
| Number of devices per row | | 1 | 1 |
| No. of vertical modules | | 10 | 11 |
| Mounting plates | | LVS03482 | LVS03483 |
| Front plates | | with cut-out LVS03690 or LVS03701 ⁽¹⁾ [7] | LVS03691 [8] |
| [No. of vertical modules] downstream | | LVS03803 [3] | LVS03803 [3] |

| Connection | | Upstream on incomer | | | | | | | |
|---|--|--|----------------------|-------------------------|----------------------|----------------------|----------------------|-------------------------|----------------------|
|  | | | | | | | | | |
| Devices | | Fixed device | | | | Withdrawable device | | | |
| | | NS630b/1000 | | NS1250/1600 | | NS630b/1000 | | NS1250/1600 | |
| | | 3P | 4P | 3P | 4P | 3P | 4P | 3P | 4P |
| Front connection | | Type of terminals Front connections supplied with the device | | | | | | | |
| Vertical connection adapters | | 33642 ⁽³⁾ | 33643 ⁽³⁾ | 33642 ⁽³⁾ | 33643 ⁽³⁾ | 33642 ⁽³⁾ | 33643 ⁽³⁾ | 33642 ⁽³⁾ | 33643 ⁽³⁾ |
| Cable-lug adapters | | Direct | | 33644 ⁽³⁾ | 33645 ⁽³⁾ | Direct | | 33644 ⁽³⁾ | 33645 ⁽³⁾ |
| Spacing rods | | - | | LVS04691 ⁽³⁾ | | - | | LVS04691 ⁽³⁾ | |
| Arc-chute cover | | 33596 | 33597 | 33596 | 33597 | - | | - | |
| Cables cover | | LVS04851 | | | | LVS04852 | | | |
| Rear connection | | Type of terminals Vertical rear connections supplied with the device | | | | | | | |
| Terminal extension bar support | | 2 x LVS04693 | | | | | | | |
| Cables cover | | LVS04853 | | | | LVS04854 | | | |
| Extension bars | | must be made ⁽²⁾ | | | | | | | |

| Connection | | Downstream distribution via Linery LGE or LGE busbars | | | | | | | | | | | |
|---|--|---|----------|----------|----------|---------------------|----------|---|----------|--|--|--|--|
|  | |  | | | | | |  | | | | | |
| Devices | | Fixed device | | | | Withdrawable device | | | | | | | |
| | | NS630b/1250 | | NS1600 | | NS630b/1250 | | NS1600 | | | | | |
| | | 3P | 4P | 3P | 4P | 3P | 4P | 3P | 4P | | | | |
| Type of terminals | | Front connections supplied with the device | | | | | | | | | | | |
| Busbars connection | | For Linery LGE busbars: prefabricated connection | | | | | | | | | | | |
| | | LVS04485 | LVS04486 | LVS04487 | LVS04488 | LVS04477 | LVS04478 | LVS04491 | LVS04492 | | | | |
| | | For Linery LGE busbars: must be made ⁽²⁾ . | | | | | | | | | | | |
| Free support for busbars connection | | For Linery LGE busbars: 2 x LVS04662 | | | | | | | | | | | |
| Cover for busbars connection | | LVS04926 | | | | | | | | | | | |

(1) For devices with toggle or rotary handle Catalog number LVS03690, with a motor mechanism Catalog number LVS03701.

(2) Connection to be made according to the busbar drawings supplied by Schneider Electric.

(3) Vertical connection adaptaters and cable-lug adapters and CT, are not compatible with input voltage ≥ 500 V due to mandatory barriers installation (33648 or 33768).

Note: To make measurements:

■ Install a Micrologic control unit capable of displaying the values.

■ Or install the CTs on the horizontal busbars; in this case, an additional module is required; add a plain front plate downstream (LVS03801).

Selection of busbars: Linery LGE > page D-83, Linery LGE > page D-84.

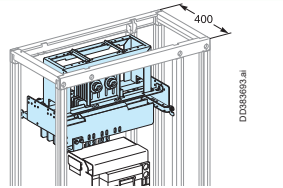
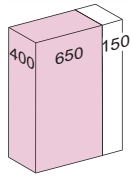
ComPacT NS630b to 1600

Canalis connection

Toggle, rotary handle, motor mechanism - Fixed, withdrawable

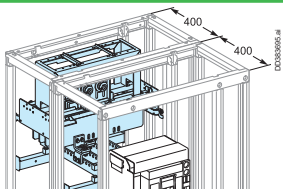
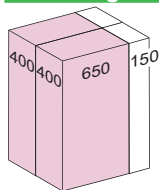
Circuit breakers

Mounting Canalis front connection



| Devices | Fixed device | | Withdrawable device | |
|---------------------------|-----------------------------|---|-----------------------------|--------|
| | NS630b/1250 | NS1600 | NS630b/1250 | NS1600 |
| Number of devices per row | 1 | - | 1 | - |
| No. of vertical modules | 17 | - | 18 | - |
| Mounting plates | LVS03482 | - | LVS03483 | - |
| Front plates | LVS03804 [4] + LVS03803 [3] | - | LVS03804 [4] + LVS03803 [3] | - |
| [No. of vertical modules] | upstream | LVS03690 or LVS03701 ⁽¹⁾ [7] | LVS03691 [8] | - |
| | with cut-out | - | LVS03803 [3] | - |
| | downstream | - | - | - |

Mounting Canalis rear connection

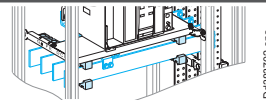
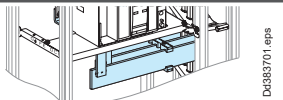


| Devices | Fixed device | | Withdrawable device | |
|---------------------------|--------------|---|---------------------|--|
| | NS630b/1600 | | NS630b/1600 | |
| Number of devices per row | 1 | | 1 | |
| No. of vertical modules | 16 | | 16 | |
| Mounting plates | LVS03482 | | LVS03483 | |
| Front plates | upstream | LVS03806 [6] | LVS03805 [5] | |
| [No. of vertical modules] | with cut-out | LVS03690 or LVS03701 ⁽¹⁾ [7] | LVS03691 [8] | |
| | downstream | LVS03803 [3] | LVS03803 [3] | |

Connection Upstream on incomer

| Devices | Fixed device | | Withdrawable device | |
|----------------------------------|--|----------|---------------------|----------|
| | NS630b/1600 | | NS630b/1600 | |
| Canalis support | 3P | 4P | 3P | 4P |
| | LVS03561 | - | - | - |
| Canalis interface ⁽²⁾ | LVS04703 | LVS04704 | LVS04703 | LVS04704 |
| Front connection | Front connections supplied with the device | | | |
| Type of terminals | LVS04711 | LVS04712 | LVS04711 | LVS04712 |
| Canalis/device | 33596 | 33597 | - | - |
| Arc-chute cover | LVS04871 + LVS04851 | | LVS04871 + LVS04852 | |
| Canalis cover | | | | |
| Rear connection | Vertical rear connections supplied with the device | | | |
| Type of terminals | 2 x LVS04693 | | | |
| Terminal extension bar support | must be made ⁽³⁾ | | | |
| Extension bars | - | - | LVS04713 | LVS04714 |
| Canalis/device connection | | | LVS04871 + LVS04854 | |
| Canalis cover | LVS04871 + LVS04854 | | LVS04871 + LVS04854 | |

Connection Downstream distribution via Linergy LGY or LGYE busbars



| Devices | Fixed device | | | | Withdrawable device | | | |
|-------------------------------------|---|----------|-------------|----------|---------------------|----------|-------------|----------|
| | NS630b/1250 | NS1600 | NS630b/1250 | NS1600 | NS630b/1250 | NS1600 | NS630b/1250 | NS1600 |
| Type of terminals | 3P | 4P | 3P | 4P | 3P | 4P | 3P | 4P |
| Busbars connection | Front connections supplied with the device | | | | | | | |
| | For Linergy LGY busbars: prefabricated connection | | | | | | | |
| | LVS04485 | LVS04486 | LVS04487 | LVS04488 | LVS04477 | LVS04478 | LVS04491 | LVS04492 |
| | For Linergy LGYE busbars: must be made ⁽³⁾ | | | | | | | |
| | Can be reversed for upstream supply | | | | | | | |
| Free support for busbars connection | For Linergy LGYE busbars: 2 x LVS04662 | | | | | | | |
| Cover for busbars connection | LVS04926 | | | | | | | |

(1) For devices with toggle or rotary handle Catalog number LVS03690, with a motor mechanism Catalog number LVS03701.

(2) To tight the screws of the Canalis interface use the special tool 87808.

(3) Connection to be made according to the busbar drawings supplied by Schneider Electric.

Note: To make measurements:

■ Install a Micrologic control unit capable of displaying the values.

■ Or install the CTs on the horizontal busbars; in this case, an additional module is required; add a plain front plate downstream (LVS03801).

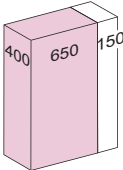
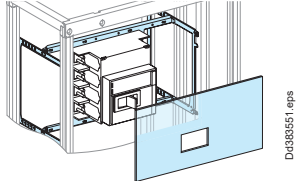
Selection of busbars: Linergy LGY > page D-83, Linergy LGYE > page D-84.

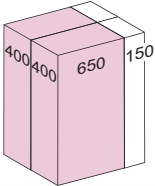
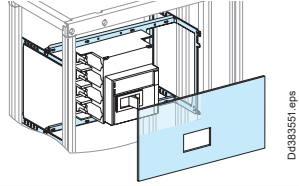
ComPacT NS630b to 1000


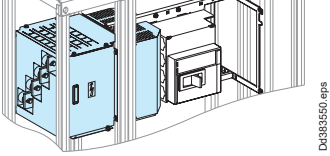
Horizontal mounting


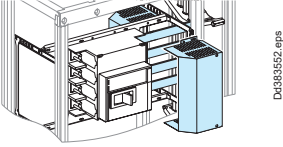
Toggle, rotary handle - Fixed

Circuit breakers

| Mounting | Front connection |
|---|---|
|  |  |
| Devices | Fixed device NS630b/1000 |
| Number of devices per row | 1 |
| No. of vertical modules | 7 ⁽¹⁾ |
| Mounting plates | LVS03480 |
| Front plates with cut-outs | LVS03687 |

| Mounting | Rear connection |
|---|---|
|  |  |
| Devices | Fixed device NS630b/1000 |
| Number of devices per row | 1 |
| No. of vertical modules | 7 ⁽¹⁾ |
| Mounting plates | LVS03480 |
| Front plates with cut-outs | LVS03687 |

| Connection | Upstream on incomer |
|---|---|
|  |  |
| Fixed devices | NS630b/1000 3P 4P |
| Type of terminals front connection | Front connections supplied with the device |
| rear connection | Vertical rear connections supplied with the device |
| Connection transfert assembly for front connection | LVS04483 LVS04484 If cubicle w300 mm then 3x300 mm ² , if cubicle w400 mm then 4x300 mm ² , same concept for 185 mm ² . Three 300 mm ² or six 185 mm ² cables can be connected per phase with lugs that are not of the two-metal type. |
| Cover rear connection | - |

| Connection | Downstream via Linergy LGE or LGEY busbars |
|---|--|
|  |  |
| Fixed devices | NS630b/1000 3P 4P |
| Type of terminals | Front connections supplied with the device |
| Busbars connection | For Linergy LGE busbars: prefabricated connection LVS04473 LVS04474 must be made. For Linergy LGEY busbars (> page D-85) |
| Cover for busbars connection | LVS04842 |
| Arc-chute cover | 33596 33597 |

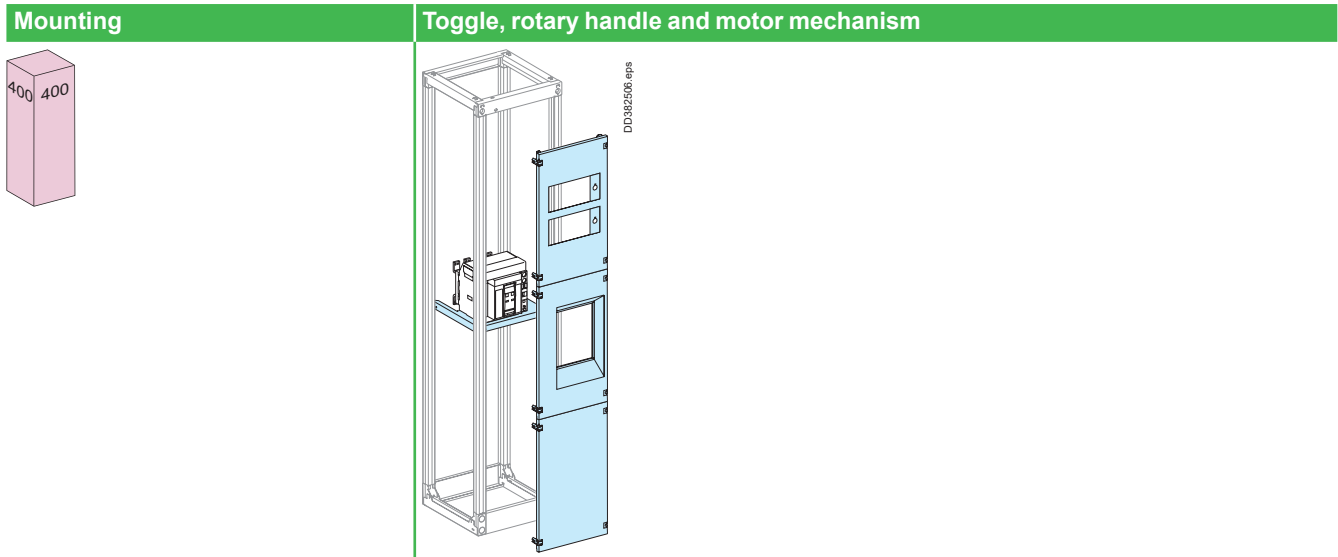
(1) Mounting of LVS03480 + connection transfert assembly LVS04483 or LVS04484 needs 8 vertical modules (use of one complementary front plate 1 module LVS03801) at the bottom of the functional unit.
Selection of busbars: Linergy LGE > page D-83, Linergy LGEY > page D-84.

ComPacT NS630b to 1600

Dedicated cubicle - W = 400 mm

Fixed, withdrawable

Circuit breakers



| Devices | Fixed device | Withdrawable device |
|-------------------------------|---|-----------------------|
| | NS630b/1600 3/4P | NS630b/1600 3P |
| Number of devices per cubicle | 1 | 1 |
| No. of vertical modules | 37 | 37 |
| Mounting plates | LVS03487 | LVS03488 |
| Front plates | with cut-out | LVS03697 [11] |
| [No. of vertical modules] | upstream ⁽¹⁾ with cut-out for 72 x 72 or 96 x 96 mm meters | LVS03723 [13] |
| | or plain | LVS03722 [13] |
| | downstream ⁽¹⁾ plain | LVS03722 [13] |

Measurement-device installation

Measurement devices are installed on a front plate (**LVS03723**) using plastic mounting plates with cut-outs.

The front plate can hold:


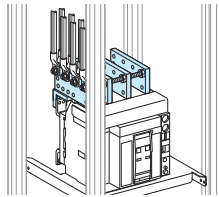
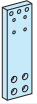


- Six 72 x 72 mm cases
- or,
- Four 96 x 96 mm cases + 2 switches.

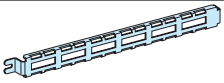
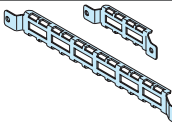
| Number and type of devices per row | Metal front plate with cut-out | No. of vertical modules | Plastic mounting plates with cut-out | Blanking plate or device support |
|--|--|-------------------------|--------------------------------------|---|
| Mounting on an interface with plastic mounting plates | | | | |
| 3 x 72 x 72 Vigirex and other devices 72 x 72 without switch | | 13 | | To blank-off or install: - from 1 to 4 buttons Ø 16 or 22 mm - 1 device 45 x 45 |
| 2 x 96 x 96 Power Meter and other devices 96 x 96 with switch | | | | To blank-off or install: - from 1 to 4 buttons Ø 16 or 22 mm - 1 device 45 x 45 - 1 device 72 x 72 |
| | LVS03723 | | LVS03902 | LVS03900 |
| | | | LVS03903 | LVS03901 |
| Characteristics | <ul style="list-style-type: none"> ■ Installation of three devices (72 x 72 mm cases) using plastic mounting plates (LVS03902) and two devices (96 x 96 mm cases) + a switch using plastic mounting plates (LVS03903) on a hinged front plate (LVS03723). ■ The plain mounting plates have knock-outs for lamps, pushbuttons, switches or devices. Knock-outs for LVS03900: 4 Ø 16 mm, 5 Ø 22 mm or one for a 45 x 45 mm device. Knock-outs for LVS03901: 4 Ø 16 mm, 5 Ø 22 mm or one for a 45 x 45 or 72 x 72 mm device. | | | |

(1) Hinged or reversible (left or right-hand opening) front plates connect directly to the framework, without a front-plate support frame.


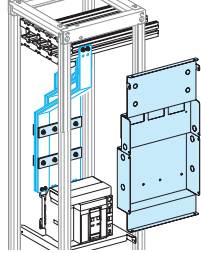
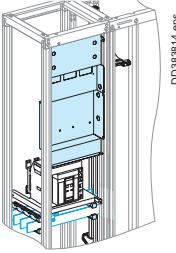
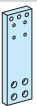
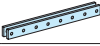

ComPacT NS630b to 1600
 Dedicated cubicle - W = 400 mm
 Fixed, withdrawable

Circuit breakers

| Connection | Upstream on incomer | | |
|---|--|------------------|----------------------------|
|  |  <small>DD382872.ai</small> | | |
| Devices | Fixed device | | Withdrawable device |
| | NS630b/1600 | | |
| | 3P | 4P | 3P |
| Type of terminals  | Front connection | | Front connection |
| Arc-chute cover  | 33596 | 33597 | - |
| Vert. conn. adapters | 33642 (1) | 33643 (1) | 33642 (1) |
| Cable-lug adapters | 33644 (1) | 33645 (1) | 33644 (1) |
| Spacing rods  | LVS04691 | | LVS04691 |

| Accessories | | | |
|---|---|---|--|
| |  <small>DD3828513.eps</small> |  <small>DD382814_4.eps</small> | |
| 4 cable tie supports for framework | W =400 LVS08774 | D = 400 LVS08794 | D = 600 LVS08794 + LVS08796 |

(1) Vertical connection adapters and cable-lug adapters are not compatible with input voltage ≥ 500 V.

| Distribution | Connection to horizontal busbars Linery LGYE | | Connection to vertical busbars Linery LGY | |
|---|---|-----------------------|--|-----------------------|
|  |  <small>DD383890.eps</small> | |  <small>DD383814_4.eps</small> | |
| Devices | Fixed | Withdrawable | Fixed | Withdrawable |
| | NS630b/1600 3P/4P | NS630b/1600 3P | NS630b/1600 3P/4P | NS630b/1600 3P |
| Type of terminals  | Front connection | | Front connection | Front connection |
| Support  | 2 x LVS04692 | 2 x LVS04692 | - | - |
| Barrier (1)  | LVS04855 | LVS04855 | LVS04855 | LVS04855 |
| Horizontal-busbar connections 50/60/80 | must be made (2) | | - | - |
| Vertical-busbar connections | - | - | must be made (2) | |
| Free support | - | - | LVS04662 | |

(1) A barrier must be installed behind front plate **LVS03723** when measurement devices are installed.

(2) Connection to be made according to the busbar drawings supplied by Schneider Electric.

(3) Catalog number **LVS04636** includes 1 connection only. Order 1 connection per phase.

Connection device/horizontal busbar to make by customer.

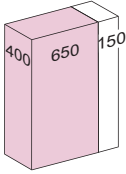
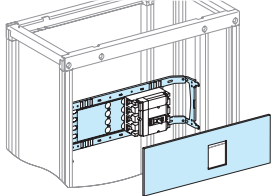

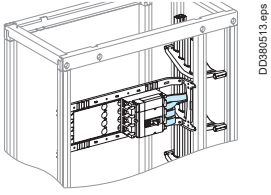

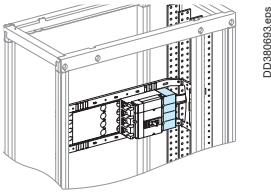

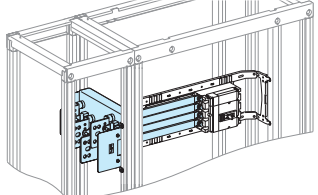
Busbar selection Linery LGYE or LGY: > page D-82 and page D-83.

ComPacT NSX 100 to 630

Horizontal mounting

Toggle - Fixed

Circuit breakers

| Mounting | | Horizontal fixed | | | |
|---|------------------------------|---|-------------------------|-----------------------------------|-------------------------|
|  | |  | | | |
| Devices | | Toggle | | | |
| | | NSX ⁽¹⁾ 100/160/250 | | NSX ⁽¹⁾ 400/630 | |
| | | 3P | 4P | 3P | 4P |
| Number of devices per row | | 1 | 1 | 1 | 1 |
| PowerTag NSX compatibility | | ⌘ | ⌘ | ⌘ | ⌘ |
| No. of vertical modules | | 3 | 4 | 4 | 5 |
| Mounting plates | | LVS03411 | LVS03412 | LVS03451 | LVS03452 |
| Front plates | with cut-out | LVS03604 ⁽²⁾ | LVS03606 ⁽²⁾ | LVS03643 | LVS03644 |
| Connection | | Upstream from lateral busbars | | | |
| Fixed devices | | NSX 100/160/250 | | NSX 400/630 | |
| Linerigy LGY | | 3P | 4P | 3P | 4P |
|  | |  | | | |
| Prefabricated connection | | LVS04423 ⁽⁴⁾ | LVS04424 ⁽⁴⁾ | LVS04453 | LVS04454 |
| Linerigy LGYE | | | | | |
|  | |  | | | |
| Connection | | must be made ⁽³⁾ | | | |
| Long terminal shields | | LV429517 | LV429518 | LV432593 | LV432594 |
| Connection | | Downstream distribution | | | |
|  | |  | | | |
| Fixed devices | | NSX 100/250 | | NSX 400/630 | |
| | | 3P | 4P | 3P | 4P |
| Front connection | long terminal shields | LV429517 | LV429518 | LV432593 | LV432594 |
| | connection | LVS04425 | LVS04426 | LVS04455 | LVS04456 |
| Connection transfer assembly | connection with PowerTag NSX | LVS04425 | LVS04426 | LVS04459 ⁽⁵⁾ | LVS04460 ⁽⁵⁾ |
| | long terminal shields | - | - | - | - |
| Rear connection | short terminal shields | LV429515 ⁽⁴⁾ | LV429516 ⁽⁴⁾ | LV432591 ⁽⁴⁾ | LV432592 ⁽⁴⁾ |
| | short rear connectors | LV429235 | | LV432475 | |
| | long rear connectors | LV429236 | | LV432476 | |

(1) Metering and signaling features (ammeter...) can be added. Mounted on a ComPacT NSX, it has the same size than a ComPacT Vigi NSX. Refer to the corresponding column.

(2) Compatible with FDM121.

(3) Connections must be made with insulated flexible bars > page D-92.

(4) Compatible with Linerigy LGYE vertical busbar.

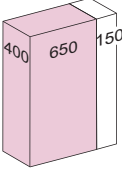
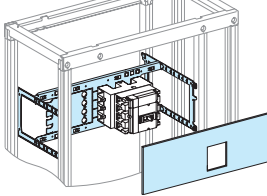

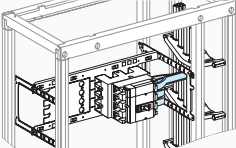

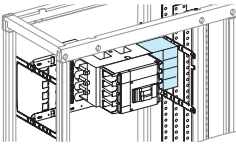

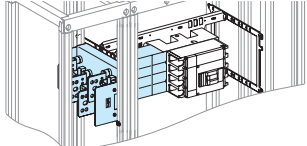
(5) Complete the connection with insulated flexible bars (not supplied).

ComPacT NSX 100 to 630

Horizontal mounting

Toggle - Plug-in

Circuit breakers

| Mounting | | Horizontal plug-in | | | |
|---|---------------------------------------|---|-------------------------|-----------------------------------|-------------------------|
|  | |  | | | |
| Devices | | Toggle | | | |
| | | NSX ⁽¹⁾ 100/160/250 | | NSX ⁽¹⁾ 400/630 | |
| | | 3P | 4P | 3P | 4P |
| Number of devices per row | | 1 | 1 | 1 | 1 |
| No. of vertical modules | | 3 | 4 | 4 | 5 |
| Mounting plates | | LVS03413 | LVS03414 | LVS03453 | LVS03454 |
| Front plates | with cut-out | LVS03604 ⁽²⁾ | LVS03606 ⁽²⁾ | LVS03643 | LVS03644 |
| Connection | | Upstream from lateral busbars | | | |
| Plug-in devices | | NSX 100/160/250 | | NSX 400/630 | |
| | | 3P | 4P | 3P | 4P |
| Linergy LGY | | | | | |
|  | |  | | | |
| Prefabricated connection | | LVS04431 ⁽³⁾ | LVS04432 ⁽³⁾ | LVS04461 | LVS04462 |
| Short terminal shields on device | | LV429515 | LV429516 | LV432591 | LV432592 |
| Linergy LGYE | | | | | |
|  | |  | | | |
| Connection | | must be made with insulated flexible bars > page D-92. | | | |
| Connection adapter for plug-in base | | LV429306 | LV429307 | LV432584 | LV432585 |
| Long terminal shields on plug-in base | | LV429517 | LV429518 | LV432593 | LV432594 |
| Short terminal shields on device | | LV429515 | LV429516 | LV432591 | LV432592 |
| Connection | | Downstream distribution | | | |
|  | |  | | | |
| Plug-in devices | | NSX 100/160/250 | | NSX 400/630 | |
| | | 3P | 4P | 3P | 4P |
| Front connection | connection adapter for plug-in base | LV429306 | LV429307 | LV432584 | LV432585 |
| | short terminal shields on device | LV429515 | LV429516 | LV432591 | LV432592 |
| | long terminal shields on plug-in base | LV429517 | LV429518 | LV432593 | LV432594 |
| Connection transfer assembly | connection | LVS04429 ⁽⁴⁾ | LVS04430 ⁽⁴⁾ | LVS04459 ⁽⁴⁾ | LVS04460 ⁽⁴⁾ |
| | connection adapter for plug-in base | LV429306 | LV429307 | LV432584 | LV432585 |
| | short terminal shields | LV429515 | LV429516 | LV432591 | LV432592 |
| Rear connection | long terminal shields | LV429517 | LV429518 | LV432593 | LV432594 |
| | short terminal shields | 2 x LV429515 | 2 x LV429516 | 2 x LV432591 | 2 x LV432592 |
| | short rear connectors | LV429235 | LV429235 | LV432475 | LV432475 |
| | long rear connectors | LV429236 | LV429236 | LV432476 | LV432476 |
| | connection adapter for plug-in base | LV429306 | LV429307 | LV432584 | LV432585 |

(1) Metering and signaling features (ammeter...) can be added. Mounted on a ComPacT NSX, it has the same size than a ComPacT Vigi NSX. Refer to the corresponding column.

(2) Compatible with FDM121.

(3) Compatible with Linergy LGYE vertical busbar.

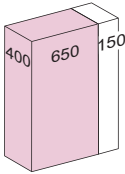
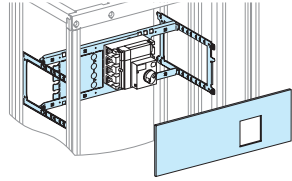

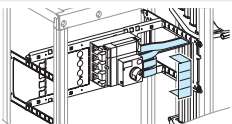

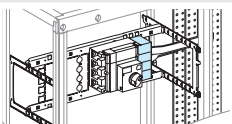

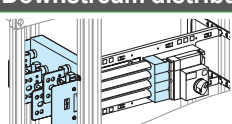
(4) Complete the connection with insulated flexible bars (not supplied).

ComPacT NSX 100 to 630

Horizontal mounting

Rotary handle - Fixed

Circuit breakers

| Mounting | | Horizontal Fixed | | | |
|---|---|---|--------------|--|--------------|
|  | |  | | | |
| Devices | | Rotary handle | | NSX (1) 400/630 | |
| | | NSX (1) 100/160/250 | | rotary handle | |
| | | 3P | 4P | 3P | 4P |
| Number of devices per row | | 1 | 1 | 1 | 1 |
| PowerTag NSX compatibility | | ↯) | ↯) | ↯) | ↯) |
| No. of vertical modules | | 3 | 4 | 4 | 5 |
| Mounting plates | | LVS03413 | LVS03414 | LVS03453 | LVS03454 |
| Fixing kit for control support | | - | - | - | - |
| Front plates | with cut-out | LVS03604 (2) | LVS03606 (2) | LVS03643 | LVS03644 |
| Collar | | - | - | - | - |
| Connection | | Upstream from lateral busbars | | | |
| Fixed devices | | NSX 100/160/250 | | NSX 400/630 | |
| | | 3P | 4P | 3P | 4P |
| Lineray LGY | | | | | |
|  | |  | | | |
| Connection | | LVS04427 (3) | LVS04428 (3) | must be made with insulated flexible bars > page D-92 (4). | |
| Long terminal shields | | - | - | LV432593 | LV432594 |
| Lineray LGYE | | | | | |
|  | |  | | | |
| Connection | | must be made with insulated flexible bars > page D-92 | | | |
| Long terminal shields | | LV429517 | LV429518 | LV432593 | LV432594 |
| Connection | | Downstream distribution | | | |
|  | |  | | | |
| Fixed devices | | NSX | | 400/630 | |
| | | 100/160/250 | | 3P | 4P |
| | | 3P | 4P | 3P | 4P |
| Front connection | long terminal shields | LV429517 | LV429518 | LV432593 | LV432594 |
| Connection transfer assembly | connection with or without PowerTag NSX | LVS04429 (5) | LVS04430 (5) | LVS04459 (5) | LVS04460 (5) |
| | long terminal shields | LV429517 | LV429518 | LV432593 | LV432594 |
| Rear connection | short terminal shields | LV429515 | LV429516 | LV432591 | LV432592 |
| | short rear connectors | LV429235 | - | LV432475 | - |
| | long rear connectors | LV429236 | - | LV432476 | - |

(1) Metering and signaling features (ammeter...) can be added. Mounted on a ComPacT NSX, it has the same size than a ComPacT Vigi NSX. Refer to the corresponding column.

(2) Compatible with FDM121.

(3) Compatible with Linergy LGYE vertical busbar.

(4) To be made according to the busbar drawings supplied by Schneider Electric.

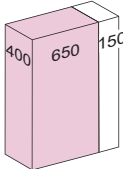
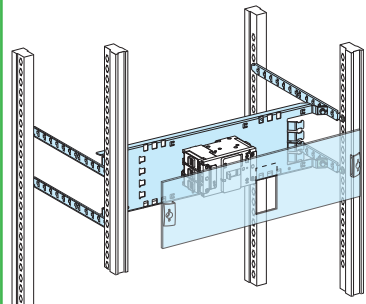
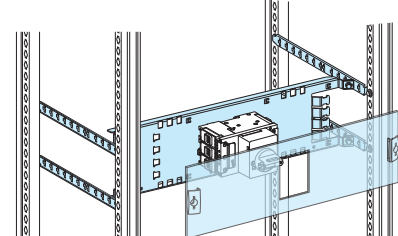

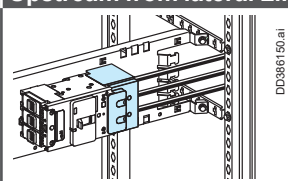
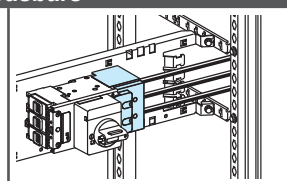

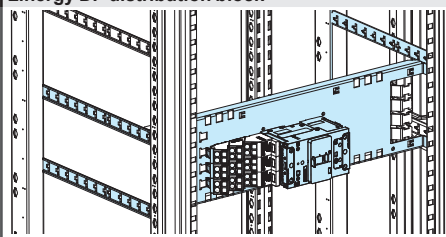
(5) Complete the connection with insulated flexible bars (not supplied).

ComPacT NSXm up to 160

Horizontal mounting

Toggle, rotary handle - Fixed

Circuit breakers

| Mounting | | Horizontal fixed | | | |
|---|---|---|---|--|---------------------------|
|  |  | |  | | |
| | | | DD386146.ai | | DD386147.ai |
| Devices | Toggle NSXm | | NSXm | | Direct rotary handle NSXm |
| Number of devices per row | 1 x 3P or 4P | | 1 x 3P or 4P | | 1 x 3P or 4P |
| No. of vertical modules | 3 | | 3 | | 3 |
| Mounting plates | LVS03409 | | LVS03409 | | LVS03409 |
| Front plates with cut-out [No. of vertical modules] | LVS03330 [3] | | LVS03330 [3] | | LVS03331 [3] |
| Connection | | Upstream from lateral Linergy LGY, LGYE busbars | | | |
|  |  | |  | | |
| | | | DD386150.ai | | DD386151.ai |
| Devices | Toggle NSXm, NSXm Vigi (ELCB) | | NSXm | | Direct rotary handle NSXm |
| Connection | 3P | | 4P | | 3P 4P |
| Long terminal shields | Connections must be made | | Connections must be made | | Connections must be made |
| | LV426912 | | LV426913 | | LV426912 LV426913 |
| Connection | | Linergy DP distribution block | | | |
|  |  | | | | |
| | | DD435602.ai | | | |
| Busbars / Distribution block | LVS04038, LVS04039 > page D-86. | | | | |
| Prefabricated connection | - | | | | |

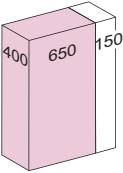
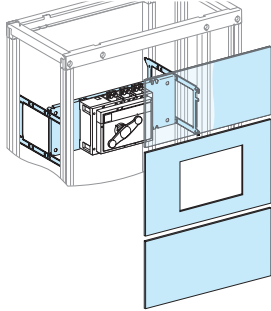
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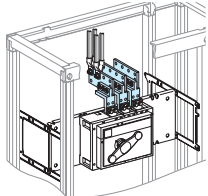
ComPacT INS-INV630b to 1600 (only for feeder cubicles)


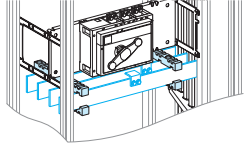
ComPacT INS-INV2000-2500 (only for feeder cubicles)

Vertical fixed mounting

Switch-disconnectors

| Mounting | | Vertical fixed | | | |
|---|--|---|-----------|-------------------------|-----------|
|  | |  | | | |
| Devices | | Fixed device | | | |
| | | INS-INV630b/1600 | | INS-INV2000/2500 | |
| | | 3P | 4P | 3P | 4P |
| Number of devices per row | | 1 | | 1 | |
| No. of vertical modules | | 14 | | 16 | |
| Mounting plates | | LVS03501 | | LVS03501 | |
| Front plates | | upstream LVS03804 [4] | | LVS03803 [3] | |
| [No. of vertical modules] | | with cut-out LVS03713 [6] | | LVS03715 [10] | |
| | | downstream LVS03804 [4] | | LVS03803 [3] | |
| Characteristics | | Depending on the type of front connection, an INS-INV2000-2500 can be mounted in a 400 mm or 600 mm deep enclosure. For rear connection, a 600 mm deep enclosure is required. | | | |

| Connection | | Upstream on incomer | | | |
|---|--|---|----------------------|-------------------------|-----------|
|  | |  | | | |
| Fixed device | | INS-INV630b/1600 | | INS-INV2000/2500 | |
| | | 3P | 4P | 3P | 4P |
| Vertical connection adapters | | 31301 ⁽¹⁾ | 31302 ⁽¹⁾ | 3 x 31310 | 4 x 31310 |
| Cable-lug adapters | | 33644 ⁽¹⁾ | 33645 ⁽¹⁾ | - | - |
| Connection | | - | | must be made | |
| Terminal extension bar support | | - | | LVS04694 | LVS04694 |

| Connection | | Downstream distribution via Linergy LGY or LGYE busbars | | | |
|---|--|---|-----------|-----------------------------|-----------|
|  | |  | | | |
| Fixed device | | INS-INV630b/1600 | | INS-INV2000/2500 | |
| | | 3P | 4P | 3P | 4P |
| Connection LGY | | LVS04481 | LVS04482 | - | |
| Connection BS, LGYE | | must be made ⁽³⁾ | | must be made ⁽³⁾ | |
| Cover for busbars connection | | LVS04926 ⁽²⁾ | | LVS04926 ⁽²⁾ | |
| Free support | | - | | 2 x LVS04662 | |

(1) Vertical connection adapters and cable-lug adapters are not compatible with input voltage ≥ 500 V.

(2) Partitioning of devices must be made.

(3) Connection to be made according to the busbar drawings supplied by Schneider Electric.

Selection of busbars: Linergy LGY > page D-83, Linergy LGYE > page D-84.

ComPacT INS-INV250 to 630 (only for feeder cubicles)

Horizontal / Vertical fixed mounting

Switch-disconnectors

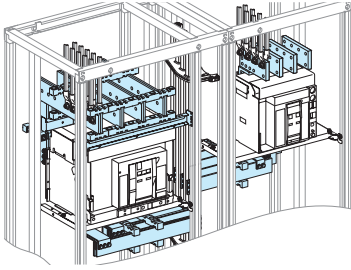
| Mounting | | Horizontal fixed | | Vertical fixed | | |
|---|--|------------------------------|-------------------------|-----------------------------|-----------------------------|----------------|
| | | | | | | |
| Devices | | Fixed device | | | | |
| | | INS-INV250 | INS-INV320/630 | INS-INV250 | INS-INV320/400 | INS-INV500/630 |
| Number of devices per row | | 1 | 1 | 1 | 2/3 | 1 |
| PowerTag NSX compatibility | | ⊘ | ⊘ | ⊘ | ⊘ | ⊘ |
| No. of vertical modules | | 4 | 5 | 7 or 8 ⁽¹⁾ | 10 or 12 | 11 or 13 |
| Mounting plates | | LVS03412 | LVS03452 | LVS03420 | LVS03461 | LVS03461 |
| Front plates upstream | | - | - | LVS03801 [1] | - | LVS03801 [1] |
| [No. of vertical modules] | | LVS03617 [4] | LVS03658 [5] | LVS03248 [5] | LVS03620 [5] | LVS03274 [10] |
| with cut-out | | | | LVS03620 [5] | LVS03274 [10] | LVS03274 [10] |
| downstream | | - | - | LVS03801 [1] | - | - |
| downstream with PowerTag NSX | | - | - | LVS03802 [2] | LVS03802 [2] | LVS03802 [2] |
| Connection | | Upstream via lateral busbars | | | | |
| Fixed device | | INS-INV250 | INS-INV320/630 | INS-INV250 | INS-INV320/630 | |
| | | 3P | 4P | | | |
| Linergy LGY | | | | | | |
| Prefabricated connection | | LVS04427 ⁽²⁾ | LVS04428 ⁽²⁾ | must be made ⁽³⁾ | must be made ⁽³⁾ | |
| Distribution block Linergy FC | | - | - | LVS04404 | - | |
| Long terminal shields | | - | LV432594 | - | LV432594 | |
| Linergy LGYE | | | | | | |
| Connection | | must be made ⁽³⁾ | | - | - | |
| Linergy FC distribution blocks (without connection) | | - | - | LVS04408 | must be made | |
| Long terminal shields | | LV429518 | LV432594 | - | LV432594 | |
| Accessories | | | | | | |
| Linergy FC tooth-caps | | - | - | LVS04809 | - | |
| Connection | | Downstream distribution | | | | |
| | | | | | | |
| Fixed device | | INS-INV250 | INS-INV320/630 | INS-INV250 | INS-INV320/630 | |
| Front connection long terminal shields | | LV429518 | LV432594 | LV429518 | LV432594 | |
| Connection transfer assembly | | - | LVS04460 ⁽⁵⁾ | - | - | |
| Rear connection ⁽⁴⁾ short terminal shields | | LV432516 | LV432592 | LV432516 | LV432592 | |
| short rear connectors | | LV429235 | LV432475 | LV429235 | LV432475 | |
| long rear connectors | | LV429236 | LV432476 | LV429236 | LV432476 | |

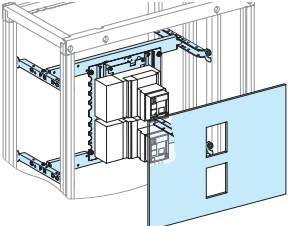
(1) For the ComPacT INS-INV250, the number of modules indicated is for supply via a Linergy FC distribution block. For supply via cables, two additional modules are required; add an upstream plain front plate (LVS03802).
 (2) Compatible with Linergy LGYE vertical busbar.
 (3) To be made according to the busbar drawings supplied by Schneider Electric.
 (4) For rear connection, size reduced one module; a plain downstream front plate (LVS03801) is not needed.
 (5) LVS04460 is used for INS-INV 320/630 A (3P and 4P). Complete the connection with insulated flexible bars (not supplied).

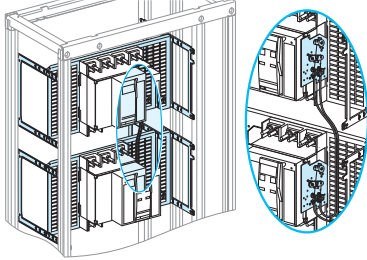
Source-changeover

Possible combinations ComPacT NSX100/630, NS630b/1600, MasterPact MTZ1 06/16, MTZ2 08/32

Source-changeover

| Manual source-changeover | | | | | | | | |
|---------------------------------|---|--------|---------|---------------|---------------|---|---|---|
| |  | | | | | | | |
| Type of device | Type of interlocking | | | | | | | |
| | Complete assembly | Toggle | Keylock | Rotary handle | On base plate | Cable-type with 2 devices side-by-side ⁽²⁾ | Cable-type with 3 devices side-by-side ⁽²⁾ | Cable-type with 2 devices one above another |
| INS250 (rating 100 to 250) | | | | | | | | |
| INV100 to INV250 ⁽¹⁾ | | | | | | | | |
| INS320 to INS630 | | | | | | | | |
| INV320 to INV630 ⁽¹⁾ | | | | | | | | |
| NSX100 to NSX250 | | | | | | | | |
| NSX400 to NSX630 | | | | | | | | |
| NS630b to NS1600 | | | | | | | | |
| MTZ1 06 to 16 | | | | | | | | |
| MTZ2 08 to 32 | | | | | | | | |

| Remote-operated source-changeover systems - Mechanical interlocking system | | | | | | |
|--|---|--------|--------|--------|--------|--------|
| |  | | | | | |
| Devices "S1" | Combination of ComPacT NSX "S1" and "S2" devices | | | | | |
| | "S2" | NSX100 | NSX160 | NSX250 | NSX400 | NSX630 |
| NSX100 Rating 12.5...100 A | | | | | | |
| NSX160 Rating 12.5...160 A | | | | | | |
| NSX250 Rating 12.5...250 A | | | | | | |
| NSX400 Rating 160...400 A | | | | | | |
| NSX630 Rating 250...630 A | | | | | | |

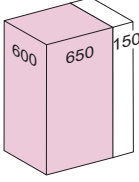
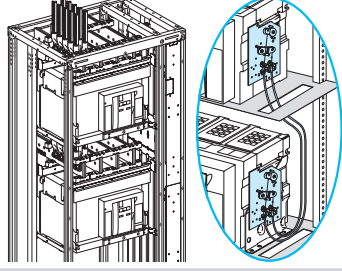


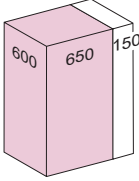
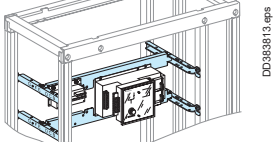
| |  | | | |
|------------------|---|------------------|---------------|---------------|
| Devices "S1" | Combination of "S1" and "S2" devices, Interlocking via cables | | | |
| | "S2" | NS630b to NS1600 | MTZ1 06 to 16 | MTZ2 08 to 32 |
| NS630b to NS1600 | | | | |
| MTZ1 06 to 16 | | | | |
| MTZ2 08 to 32 | | | | |

(1) Visible break function.
 (2) In 2 or 3 cubicles.

 Possible combinations.

Manual or remote-operated or automatic source-changeover
MasterPact MTZ2 08/32, front connection S1 device identical to S2 device

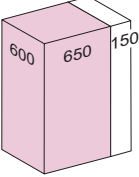
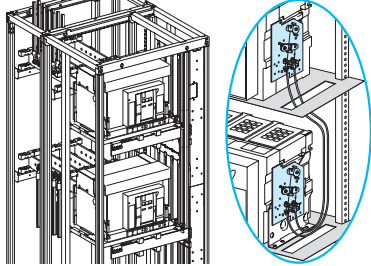


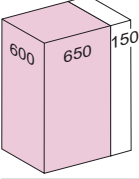
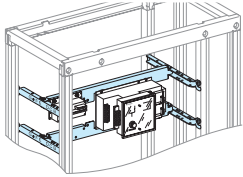
Source-changeover

| Mounting | | Front connection with cables | | | |
|---|--------------|--|-------------------|----------------------------|-------------------|
|  | |  | | | |
| Devices | | Fixed device | | Withdrawable device | |
| Number of devices per row | | 2 | 2 | 2 | 2 |
| Number of vertical modules | | 31 | 34 | 33 | 36 |
| Mounting plates | | LVS03500 | LVS03500 | LVS03500 | LVS03500 |
| | | S1 device | | | |
| | | MTZ2 08/16 | MTZ2 20/32 | MTZ2 08/16 | MTZ2 20/32 |
| Front plates [No. of vertical modules] | upstream | LVS03804 [4] | LVS03805 [5] | LVS03804 [4] | LVS03805 [5] |
| | with cut-out | LVS03711 [9] | LVS03711 [9] | LVS03710 [10] | LVS03710 [10] |
| | downstream | LVS03805 [5] | LVS03806 [6] | LVS03805 [5] | LVS03806 [6] |
| | | S2 device | | | |
| | | MTZ2 08/16 | MTZ2 20/32 | MTZ2 08/16 | MTZ2 20/32 |
| Front plates [No. of vertical modules] | upstream | - | - | - | - |
| | with cut-out | LVS03711 [9] | LVS03711 [9] | LVS03710 [10] | LVS03710 [10] |
| | downstream | LVS03804 [4] | LVS03805 [5] | LVS03804 [4] | LVS03805 [5] |
| Connection | | | | | |
|  | | | | | |
| Devices | | Fixed device | | Withdrawable device | |
| | | S1 device | | | |
| | | MTZ2 08/16 | MTZ2 20/32 | MTZ2 08/16 | MTZ2 20/32 |
| Upstream connection | | Vertical rear connections supplied with the device | | | |
| Connection | | must be made ⁽¹⁾ | | | |
| | | S2 device | | | |
| | | MTZ2 08/16 | MTZ2 20/32 | MTZ2 06/10 | MTZ2 20/32 |
| Downstream connection | | Vertical rear connections supplied with the device | | | |
| Connection | | must be made ⁽¹⁾ | | | |
| Distribution | | Linergy LGY, LGYE busbars | | | |
|  | | Selection of busbars: Linergy LGY > page D-83, Linergy LGYE > page D-84. | | | |
| | | S1 device | | | |
| Upstream connection | | Front connections supplied with the device | | | |
| Connection | | must be made ⁽¹⁾ | | | |
| | | S2 device | | | |
| Downstream connection | | Front connections supplied with the device | | | |
| Connection | | must be made ⁽¹⁾ | | | |
| Mounting | | Controller outside the device zone | | | |
|  | |  | | | |
| Devices | | UA or BA controller | | | |
| Number of devices per row | | 1 | | | |
| Number of vertical modules | | 4 | | | |
| Mounting plates | | LVS03417 | | | |
| Front plates with cut-out [No. of vertical mod.] | | LVS03671 [4] | | | |
| Characteristics | | When a UA, BA or UA150 automatic controller is added together with an ACP mounting plate, the sources can be controlled automatically according to a number of programmed operating modes. | | | |

(1) Connection to be made according to the busbar drawings supplied by Schneider Electric.

Manual or remote-operated or automatic source-changeover
 MasterPact MTZ2 08/32, rear connection S1 device identical to S2 device

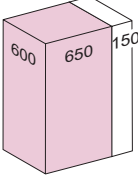
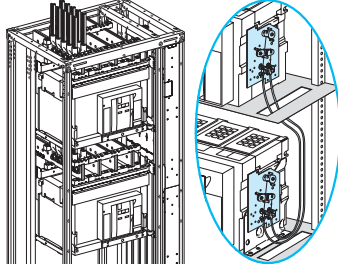


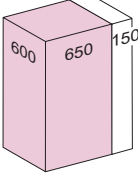
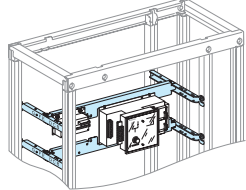
Source-changeover

| Mounting | | Rear connection with cables | | | |
|---|--------------|--|--|----------------------------|--|
|  | |  | | | |
| Devices | | Fixed device | | Withdrawable device | |
| Number of devices per row | | 2 | | 2 | |
| Number of vertical modules | | 23 | | 26 | |
| Mounting plates | | LVS03500 | | LVS03500 | |
| | | S1 device | | | |
| | | MTZ2 08/16 | | MTZ2 20/32 | |
| Front plates [No. of vertical modules] | upstream | - | | - | |
| | with cut-out | LVS03711 [9] | | LVS03710 [10] | |
| | downstream | LVS03805 [5] | | LVS03806 [6] | |
| | | S2 device | | | |
| | | MTZ2 08/16 | | MTZ2 20/32 | |
| Front plates [No. of vertical modules] | upstream | - | | - | |
| | with cut-out | LVS03711 [9] | | LVS03710 [10] | |
| | downstream | - | | - | |
| Connection | | | | | |
|  | | | | | |
| Devices | | Fixed device | | Withdrawable device | |
| | | S1 device | | | |
| | | MTZ2 08/16 | | MTZ2 20/32 | |
| Upstream connection | | Vertical rear connections supplied with the device | | | |
| Connection | | must be made ⁽¹⁾ | | | |
| | | S2 device | | | |
| | | MTZ2 08/16 | | MTZ2 20/32 | |
| Downstream connection | | Vertical rear connections supplied with the device | | | |
| Connection | | must be made ⁽¹⁾ | | | |
| Distribution | | Linergy LGY, LGYE busbars | | | |
|  | | Selection of busbars: Linergy LGY > page D-83, Linergy LGYE > page D-84. | | | |
| | | S1 device | | | |
| Upstream connection | | Front connections supplied with the device | | | |
| Connection | | must be made ⁽¹⁾ | | | |
| | | S2 device | | | |
| Downstream connection | | Front connections supplied with the device | | | |
| Connection | | must be made ⁽¹⁾ | | | |
| Mounting | | Controller outside the device zone | | | |
|  | |  | | | |
| Devices | | UA or BA controller | | | |
| Number of devices per row | | 1 | | | |
| Number of vertical modules | | 4 | | | |
| Mounting plates | | LVS03417 | | | |
| Front plates with cut-out [No. of vertical mod.] | | LVS03671 [4] | | | |
| Characteristics | | When a UA, BA or UA150 automatic controller is added together with an ACP mounting plate, the sources can be controlled automatically according to a number of programmed operating modes. | | | |

(1) Connection to be made according to the busbar drawings supplied by Schneider Electric.

Manual or remote-operated or automatic source-changeover
MasterPact MTZ2 08/32, front connection S1 device different to S2 device

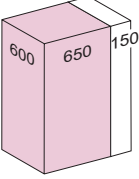
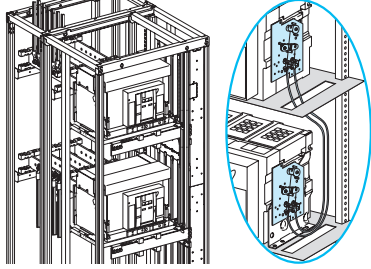


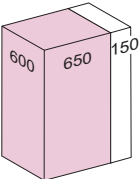
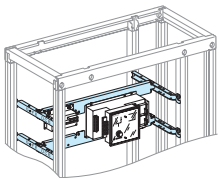
Source-changeover

| Mounting | | Front connection with cables | | | |
|---|--------------|--|-------------------|----------------------------|-------------------|
|  | |  | | | |
| Devices | | Fixed device | | Withdrawable device | |
| Number of devices per row | | 2 | 2 | 2 | 2 |
| Number of vertical modules | | 33 | 33 | 35 | 35 |
| Mounting plates | | LVS03500 | LVS03500 | LVS03500 | LVS03500 |
| | | S1 device | | | |
| | | MTZ2 08/16 | MTZ2 20/32 | MTZ2 08/16 | MTZ2 20/32 |
| Front plates [No. of vertical modules] | upstream | LVS03804 [4] | LVS03805 [5] | LVS03804 [4] | LVS03805 [5] |
| | with cut-out | LVS03711 [9] | LVS03711 [9] | LVS03710 [10] | LVS03710 [10] |
| | downstream | LVS03806 [6] | LVS03806 [6] | LVS03806 [6] | LVS03806 [6] |
| | | S2 device | | | |
| | | MTZ2 20/32 | MTZ2 08/16 | MTZ2 20/32 | MTZ2 08/16 |
| Front plates [No. of vertical modules] | upstream | - | - | - | - |
| | with cut-out | LVS03711 [9] | LVS03711 [9] | LVS03710 [10] | LVS03710 [10] |
| | downstream | LVS03805 [5] | LVS03804 [4] | LVS03805 [5] | LVS03804 [4] |
| Connection | | | | | |
|  | | | | | |
| Devices | | Fixed device | | Withdrawable device | |
| | | S1 device | | | |
| | | MTZ2 08/16 | MTZ2 20/32 | MTZ2 08/16 | MTZ2 20/32 |
| Upstream connection Connection | | Vertical rear connections supplied with the device must be made ⁽¹⁾ | | | |
| | | S2 device | | | |
| | | MTZ2 08/16 | MTZ2 20/32 | MTZ2 T06/10 | MTZ2 20/32 |
| Downstream connection Connection | | Vertical rear connections supplied with the device must be made ⁽¹⁾ | | | |
| Distribution | | Linergy LGY, LGYE busbars | | | |
|  | | Selection of busbars: Linergy LGY > page D-83, Linergy LGYE > page D-84. | | | |
| | | S1 device | | | |
| Upstream connection Connection | | Front connections supplied with the device must be made ⁽¹⁾ | | | |
| | | S2 device | | | |
| Downstream connection Connection | | Front connections supplied with the device must be made ⁽¹⁾ | | | |
| Mounting | | Controller outside the device zone | | | |
|  | |  | | | |
| Devices | | UA or BA controller | | | |
| Number of devices per row | | 1 | | | |
| Number of vertical modules | | 4 | | | |
| Mounting plates | | LVS03417 | | | |
| Front plates [No. of vertical mod.] with cut-out | | LVS03671 [4] | | | |
| Characteristics | | When a UA, BA or UA150 automatic controller is added together with an ACP mounting plate, the sources can be controlled automatically according to a number of programmed operating modes. | | | |

(1) Connection to be made according to the busbar drawings supplied by Schneider Electric.

Manual or remote-operated or automatic source-changeover
 MasterPact MTZ2 08/32, rear connection S1 device different to S2 device

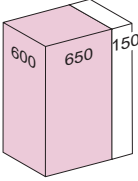
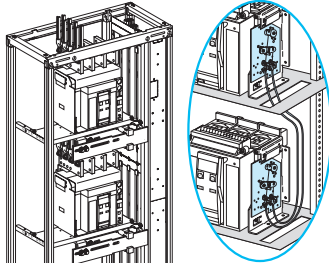


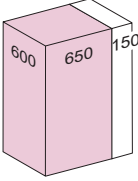
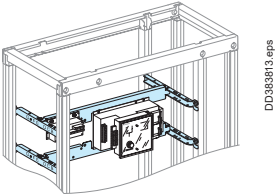
Source-changeover

| Mounting | | Rear connection with cables | | | |
|---|--------------|--|--|----------------------------|--|
|  | |  | | | |
| Devices | | Fixed device | | Withdrawable device | |
| Number of devices per row | | 2 | | 2 | |
| Number of vertical modules | | 24 | | 26 | |
| Mounting plates | | LVS03500 | | LVS03500 | |
| | | S1 device | | | |
| | | MTZ2 08/16 | | MTZ2 20/32 | |
| Front plates [No. of vertical modules] | upstream | - | | - | |
| | with cut-out | LVS03711 [9] | | LVS03710 [10] | |
| | downstream | LVS03806 [6] | | LVS03806 [6] | |
| | | S2 device | | | |
| | | MTZ2 08/16 | | MTZ2 20/32 | |
| Front plates [No. of vertical modules] | upstream | - | | - | |
| | with cut-out | LVS03711 [9] | | LVS03710 [10] | |
| | downstream | - | | - | |
| Connection | | | | | |
|  | | | | | |
| Devices | | Fixed device | | Withdrawable device | |
| | | S1 device | | | |
| | | MTZ2 08/16 | | MTZ2 20/32 | |
| Upstream connection | | Vertical rear connections supplied with the device | | | |
| Connection | | must be made ⁽¹⁾ | | | |
| | | S2 device | | | |
| | | MTZ2 08/16 | | MTZ2 20/32 | |
| Downstream connection | | Vertical rear connections supplied with the device | | | |
| Connection | | must be made ⁽¹⁾ | | | |
| Distribution | | Linergy LGY, LGYE busbars | | | |
|  | | Selection of busbars: Linergy LGY > page D-83, Linergy LGYE > page D-84. | | | |
| | | S1 device | | | |
| Upstream connection | | Front connections supplied with the device | | | |
| Connection | | must be made ⁽¹⁾ | | | |
| | | S2 device | | | |
| Downstream connection | | Front connections supplied with the device | | | |
| Connection | | must be made ⁽¹⁾ | | | |
| Mounting | | Controller outside the device zone | | | |
|  | |  | | | |
| Devices | | UA or BA controller | | | |
| Number of devices per row | | 1 | | | |
| Number of vertical modules | | 4 | | | |
| Mounting plates | | LVS03417 | | | |
| Front plates [No. of vertical mod.] | | LVS03671 [4] | | | |
| Characteristics | | When a UA, BA or UA150 automatic controller is added together with an ACP mounting plate, the sources can be controlled automatically according to a number of programmed operating modes. | | | |

(1) Connection to be made according to the busbar drawings supplied by Schneider Electric.

Manual or remote-operated or automatic source-changeover
MasterPact MTZ1 06/16, front connection S1 device identical to S2 device

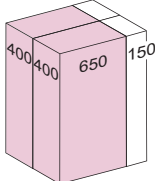
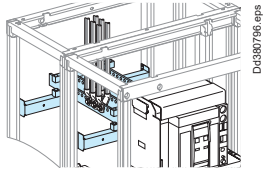


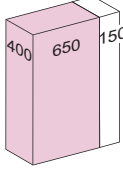
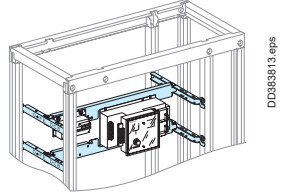
Source-changeover

| Mounting | | Front connection with cables | | | |
|---|--------------|--|--|----------------------------|--|
|  | |  | | | |
| Devices | | Fixed device | | Withdrawable device | |
| Number of devices per row | | 2 | | 2 | |
| Number of vertical modules | | 24 | | 30 | |
| Mounting plates | | LVS03484 | | LVS03483 | |
| | | S1 device | | | |
| | | MTZ1 06/10 | | MTZ1 12/16 | |
| Front plates [No. of vertical modules] | upstream | LVS03802 [2] | | LVS03804 [4] | |
| | with cut-out | LVS03692 [7] | | LVS03691 [8] | |
| | downstream | LVS03803 [3] | | LVS03803 [3] | |
| | | S2 device | | | |
| | | MTZ1 06/10 | | MTZ1 12/16 | |
| Front plates [No. of vertical modules] | upstream | LVS03803 [3] | | LVS03803 [3] | |
| | with cut-out | LVS03692 [7] | | LVS03691 [8] | |
| | downstream | LVS03802 [2] | | LVS03804 [4] | |
| Connection | | | | | |
|  | | | | | |
| Devices | | Fixed device | | Withdrawable device | |
| | | MTZ1 06/10 | | MTZ1 12/16 | |
| | | 3P 4P | | 3P 4P | |
| | | 3P 4P | | 3P 4P | |
| | | 3P 4P | | 3P 4P | |
| S1 device | | Front connections supplied with the device | | | |
| Upstream connection | | Front connections supplied with the device | | | |
| Vertical connection adapters | | 33642 33643 | | 33642 33643 | |
| S2 device | | Front connections supplied with the device | | | |
| Downstream connection | | Front connections supplied with the device | | | |
| Vertical connection adapters | | 33642 33643 | | 33642 33643 | |
| Distribution | | Linergy LGY, LGYE busbars | | | |
|  | | Selection of busbars: Linergy LGY > page D-83, Linergy LGYE > page D-84. | | | |
| S1 device | | Front connections supplied with the device | | | |
| Upstream connection | | Front connections supplied with the device | | | |
| Connection | | must be made | | | |
| S2 device | | Front connections supplied with the device | | | |
| Downstream connection | | Front connections supplied with the device | | | |
| Connection | | must be made | | | |
| Mounting | | Outside the device zone | | | |
|  | |  | | | |
| Devices | | UA or BA controller | | | |
| Number of devices per row | | 1 | | | |
| Number of vertical modules | | 4 | | | |
| Mounting plates | | LVS03417 | | | |
| Front plates [No. of vertical mod.] | | LVS03671 [4] | | | |
| Characteristics | | When a UA, BA or UA150 automatic controller is added together with an ACP mounting plate, the sources can be controlled automatically according to a number of programmed operating modes. | | | |



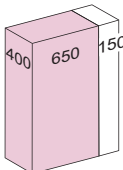
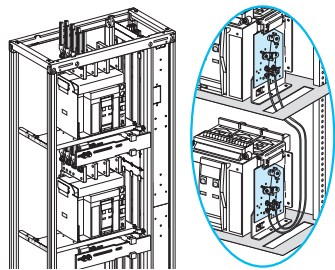


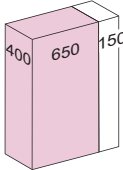
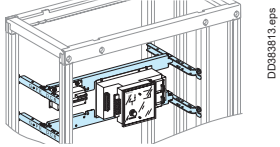
Manual or remote-operated or automatic source-changeover
 MasterPact MTZ1 06/16, rear connection S1 device identical to S2 device

Source-changeover

| Mounting | | Rear connection with cables | |
|---|--------------|--|---------------------|
|  | |  | |
| Devices | | Fixed device | Withdrawable device |
| Number of devices per row | | 2 | 2 |
| Number of vertical modules | | 22 | 22 |
| Mounting plates | | LVS03484 | LVS03483 |
| | | S1 device | |
| | | MTZ1 06/16 | MTZ1 06/16 |
| Front plates [No. of vertical modules] | upstream | LVS03801 [1] | - |
| | with cut-out | LVS03692 [7] | LVS03691 [8] |
| | downstream | LVS03803 [3] | LVS03803 [3] |
| | | S2 device | |
| | | MTZ1 06/16 | MTZ1 06/16 |
| Front plates [No. of vertical modules] | upstream | LVS03803 [3] | LVS03803 [3] |
| | with cut-out | LVS03692 [7] | LVS03691 [8] |
| | downstream | LVS03801 [1] | - |
| Connection | | | |
|  | | | |
| Devices | | Fixed device | Withdrawable device |
| | | MTZ1 06/16 | MTZ1 06/16 |
| | | S1 device | |
| Upstream connection | | Vertical rear connections supplied with the device | |
| Connection | | must be made | |
| | | S2 device | |
| Downstream connection | | Vertical rear connections supplied with the device | |
| Connection | | must be made | |
| Distribution | | Linergy LGY, LGYE busbars | |
|  | | Selection of busbars: Linergy LGY > page D-83, Linergy LGYE > page D-84. | |
| | | S1 device | |
| Upstream connection | | Front connections supplied with the device | |
| Connection | | must be made | |
| | | S2 device | |
| Downstream connection | | Front connections supplied with the device | |
| Connection | | must be made | |
| Mounting | | Controller outside the device zone | |
|  | |  | |
| Devices | | UA or BA controller | |
| Number of devices per row | | 1 | |
| Number of vertical modules | | 4 | |
| Mounting plates | | LVS03417 | |
| Front plates with cut-out [No. of vertical mod.] | | LVS03671 [4] | |
| Characteristics | | When a UA, BA or UA150 automatic controller is added together with an ACP mounting plate, the sources can be controlled automatically according to a number of programmed operating modes. | |

Manual or remote-operated or automatic source-changeover
 MasterPact MTZ1 06/16, front connection S1 device different to S2 device

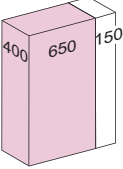
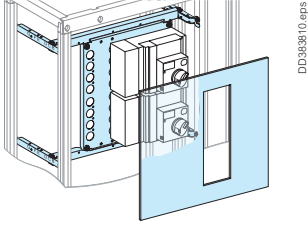
Source-changeover

| Mounting | | Front connection with cables | | | |
|---|--------------|--|--------------|---------------------|--------------|
|  | |  | | | |
| Devices | | Fixed device | | Withdrawable device | |
| Number of devices per row | | 2 | 2 | 2 | 2 |
| Number of vertical modules | | 26 | 26 | 28 | 28 |
| Mounting plates | | LVS03484 | LVS03484 | LVS03483 | LVS03483 |
| | | S1 device | | | |
| | | MTZ1 12/16 | MTZ1 06/10 | MTZ1 12/16 | MTZ1 06/10 |
| Front plates [No. of vertical modules] | upstream | LVS03804 [4] | LVS03802 [2] | LVS03804 [4] | LVS03802 [2] |
| | with cut-out | LVS03692 [7] | LVS03692 [7] | LVS03691 [8] | LVS03691 [8] |
| | | S2 device | | | |
| | | MTZ1 06/10 | MTZ1 12/16 | MTZ1 06/10 | MTZ1 12/16 |
| Front plates [No. of vertical modules] | upstream | LVS03803 [3] | LVS03803 [3] | LVS03803 [3] | LVS03803 [3] |
| | with cut-out | LVS03692 [7] | LVS03692 [7] | LVS03691 [8] | LVS03691 [8] |
| | downstream | LVS03802 [2] | LVS03804 [4] | LVS03802 [2] | LVS03804 [4] |
| Connection | | | | | |
|  | | | | | |
| Devices | | Fixed device | | Withdrawable device | |
| | | MTZ1 06/10 | MTZ1 12/16 | MTZ1 06/10 | MTZ1 12/16 |
| | | 3P 4P | 3P 4P | 3P 4P | 3P 4P |
| S1 device | | Front connections supplied with the device | | | |
| Upstream connection | | Front connections supplied with the device | | | |
| Vertical connection adapters | | 33642 | 33643 | 33642 | 33643 |
| S2 device | | Front connections supplied with the device | | | |
| Downstream connection | | Front connections supplied with the device | | | |
| Vertical connection adapters | | 33642 | 33643 | 33642 | 33643 |
| Distribution | | Linergy LGY, LGYE busbars | | | |
|  | | Selection of busbars: Linergy LGY > page D-83, Linergy LGYE > page D-84. | | | |
| S1 device | | Front connections supplied with the device | | | |
| Upstream connection | | Front connections supplied with the device | | | |
| Connection | | must be made | | | |
| S2 device | | Front connections supplied with the device | | | |
| Downstream connection | | Front connections supplied with the device | | | |
| Connection | | must be made | | | |
| Mounting | | Controller outside the device zone | | | |
|  | |  | | | |
| Devices | | UA or BA controller | | | |
| Number of devices per row | | 1 | | | |
| Number of vertical modules | | 4 | | | |
| Mounting plates | | LVS03417 | | | |
| Front plates [No. of vertical mod.] | | with cut-out LVS03671 [4] | | | |
| Characteristics | | When a UA, BA or UA150 automatic controller is added together with an ACP mounting plate, the sources can be controlled automatically according to a number of programmed operating modes. | | | |




Manual source-changeover
ComPacT NSX100/630

Source-changeover

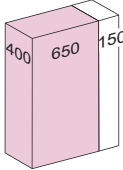
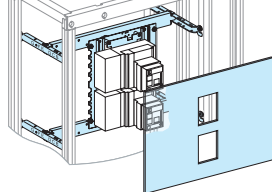
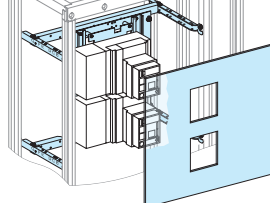
| Mounting | Horizontal |
|---|---|
|  |  |


| Devices | |
|----------------------------|--|
| | NSX400/630 |
| | 3P 4P |
| Number of devices per row | 2 |
| Number of vertical modules | 10 |
| Mounting plates | LVS03458 |
| Front plates | upstream - |
| [No. of vertical modules] | with cut-out LVS03659 [10] |
| | downstream - |
| Mechanical interlock | LV432621 LV432621 |
| Characteristics | Interlocking of rotary handles The devices are equipped with a rotary handle. They are mounted on a dedicated mounting plate. |

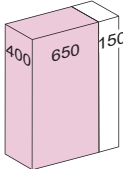
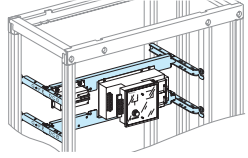
| Connection | Downstream distribution | | | |
|--|---------------------------|-----------------|---------------------------|-----------------|
|  | | | | |
| Type of connected devices | ComPacT NSX100/250 | | ComPacT NSX400/630 | |
| | 3P | 4P | 3P | 4P |
| Front conn. long terminal shields for spreader | LV429517 | LV429518 | LV432593 | LV432594 |
| | - | - | LV432595 | LV432596 |
| Coupling accessory | LV429358 | LV429359 | LV432619 | LV432620 |
| Rear conn. short terminal shields | LV429515 | LV429516 | LV432591 | LV432592 |

Remote-operated source-changeover
ComPacT NSX100/630

Source-changeover

| Mounting | | Horizontal | |
|--|---|---|-------------------------|
|  | |  | |
|  | | | |
| Devices | | NSX100/250 | NSX400/630 |
| Number of devices per row | | 2 | 2 |
| Number of vertical modules | | 8 | 10 |
| Mounting plates | | LVS03417 ⁽¹⁾ | LVS03457 ⁽²⁾ |
| Front plates [No. of vertical mod.] | with cut-out | LVS03616 [8] | LVS03656 [10] |
| Characteristics | The devices are equipped with motor mechanisms. | | |

| Connection | | Downstream distribution | | | |
|---|------------------------------------|-------------------------|----------|--------------------|----------|
|  | | | | | |
| Type of connected devices | | ComPacT NSX100/250 | | ComPacT NSX400/630 | |
| | | 3P | 4P | 3P | 4P |
| Front connection | long terminal shields for spreader | LV429517 | LV429518 | LV432593 | LV432594 |
| Coupling accessory | | LV429358 | LV429359 | LV432595 | LV432596 |
| Rear connection | short terminal shields | LV429515 | LV429516 | LV432591 | LV432592 |

| Mounting | | Controller | |
|---|--|---|--|
|  | |  | |
| Devices | | UA or BA controller | |
| Number of devices per row | | 1 | |
| Number of vertical modules | | 4 | |
| Mounting plates | | LVS03417 | |
| Front plates [No. of vertical mod.] | with cut-out | LVS03671 [4] | |
| Characteristics | When a UA, BA or UA150 automatic controller is added together with an ACP mounting plate, the sources can be controlled automatically according to a number of programmed operating modes. | | |

(1) Order mounting plate + IVE electrical interlocking unit for NSX100/250 (cat. no. 29350 for AC or 29351 for DC version).

(2) Order mounting plate + IVE electrical interlocking unit for NSX400/630 (cat. no. 32610 for AC or 32611 for DC version).

Incoming and busbar connections to be made.

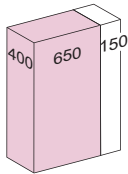
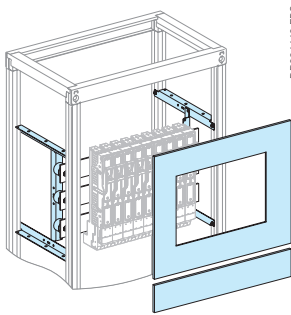
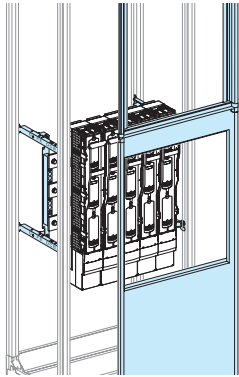
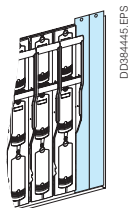



Fupact ISFL


Vertical / 3P

Determining the busbars

Fusegear

| Mounting | Through cut-out front plate | Through a 2/3 cut-out front plate | | | Accessories |
|---|--|---|------------------------|----------------------|---|
|  |  |  | | |  |
| Devices | ISFL160 | ISFL160 | ISFL250/400/630 | ISFL 1250 | |
| Number of devices per row | 9 | 10 | 5 | 2 | - |
| Number of vertical modules | 11 | 24 | 24 | 24 | - |
| Mounting plates | LVS03545 + (1) | LVS03546 + (1) | LVS03546 (1) + (2) | LVS03546 + (2) | - |
| Length adapter | - | + 5 x LV480870 (2) | - | - | - |
| Conversion kit for direct conn. | - | + 5 x LV480854 (2) | - | - | - |
| Front plates with cut-out [No. of vertical mod.] | LVS03736 [11] | - | - | - | - |
| FAV 2/3 | - | LVS03735 [24 + 12] | LVS03735 [24 + 12] | LVS03735 [24 + 12] | - |
| Side frame door cut-out | LV480868 LV480869 | LV480868 LV480869 | LV480868 LV480869 | LV480868 LV480869 | - |
| Blanking plate | LVS03740 | LVS03740 | LVS03741 (3) | 2 x LVS03741 | - |
| Busbars cover | - | - | - | - | LVS04860 |
| Characteristics | <ul style="list-style-type: none"> The fuses are installed on the horizontal bars which are in turn supported by a mounting plate. The front plates are secured to the hinged front plate support frame. The front may be covered either by a cover frame or a plain or transparent door. Current transformers can be installed behind ISFL fuse-switch-disconnectors. | <ul style="list-style-type: none"> The fuses are installed on the horizontal bars which are in turn supported by a mounting plate. The front of the cubicle is made up of two parts: <ul style="list-style-type: none"> 2/3 cut-out front plate allowing introduction of the fuses. 1/3 front plate support frame (12 modules) cat. number LVS08562 on which the functional units are mounted. The front may be covered either by a cover frame or a plain or transparent door. Current transformers can be installed behind ISFL fuse-switch-disconnectors. | | | |

| Connection | Direct |
|---|--|
|  | |
| Devices | ISFL160/630 |
| Connection | By cables or directly on the busbars with clamp fixing or pressure fixing. |

| Distribution | |
|---|--------------------|
|  | |
| Devices | ISFL160/630 |
| Downstream connection | With cable |

(1) The bars are made by the customer: for choice of bars > pages D-82 to D-85.

(2) Adaptation accessories LV480870 + LV480855 used to:
 ■ Install two ISFL160 devices on a mounting plate LVS03546.
 ■ Mix ISFL devices.

(3) Use 2 blanking plates per device.

Note:

■ For ISFL160, by fixing screws only.

For determining the busbar > page D-160.

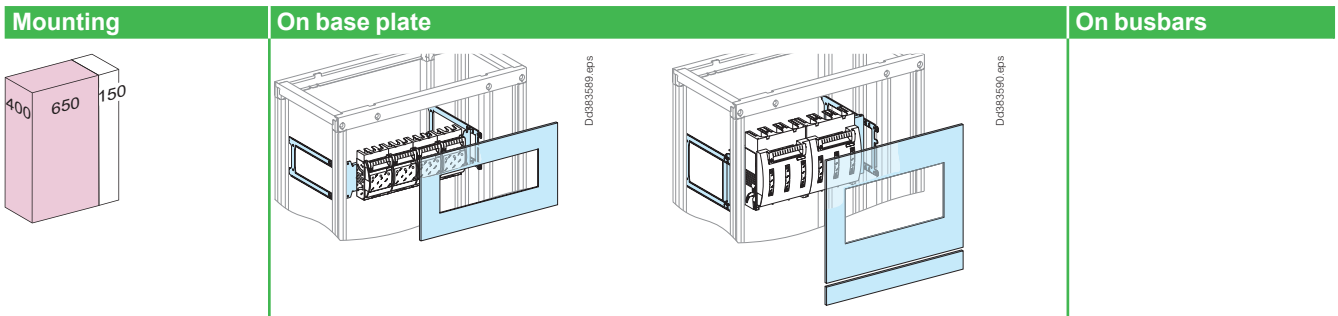
Fupact ISFT

Vertical / 3P

Installation on mounting plate or busbars


Determining the busbars

Fusegear/Switch-disconnector



| Mounting | On base plate | | | | | | On busbars | |
|--------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Devices | ISFT100 | ISFT100N | ISFT160 | ISFT250 | ISFT400 | ISFT630 | ISFT100N | ISFT160 |
| Number of devices per row | 5 | 8 | 4 | 2 | 2 | 1 | 6 | 4 |
| Number of vertical modules | 6 | 8 | 6 | 9 | 9 | 10 | 8 | 6 |
| Mounting plates | LVS03554 | - | LVS03556 | LVS03557 | LVS03557 | LVS03557 | LVS03555 | LVS03555 |
| Front plates with cut-out downstream | LVS03320 [6] | LVS03325 [8] | LVS03321 [6] | LVS03322 [9] | LVS03323 [9] | LVS03324 [8] | LVS03325 [8] | LVS03321 [6] |
| [No. of vertical mod.] | - | - | - | - | - | LVS03802 [2] | - | - |

| Connection | Direct | | | | | | | |
|---|---|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|  | | | | | | | | |
| Devices | ISFT100 | ISFT100N | ISFT160 | ISFT250 | ISFT400 | ISFT630 | ISFT100N | ISFT160 |
| Connection | must be made | | | | | | | |
| | Downstream, with cable or flexible bars | | | | | | | |
| Long terminal shields | - | LV480756 | LV480819 | LV480824 | LV480827 | LV480831 | - | LV480819 |

| Distribution | | | |
|---|--------------|-----------------|--|
|  | | | |
| Linergy FH for 2 devices | 49861 | LV480811 | |
| for 3 devices | 49862 | LV480812 | |
| for 4 devices | 49863 | LV480813 | |
| Set of 3 connectors (25 to 95 mm²) | 49865 | LV480818 | |
| Set of 3 distribution connectors 3 x 10 mm² | 49860 | LV480814 | |

Note: For determining the busbar > page D-160.

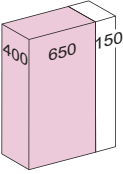
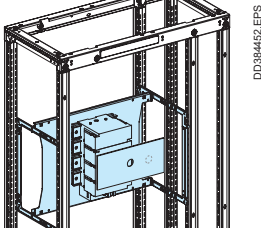


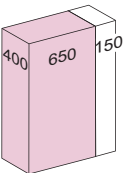
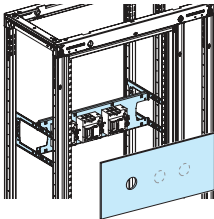
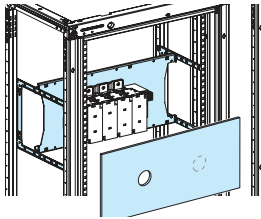
Fupact GS


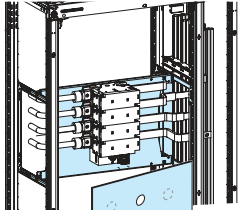
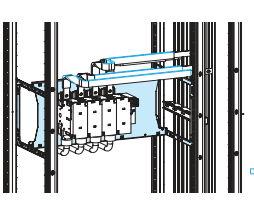
Horizontal / Vertical

Extended rotary handle

Fusegear/Switch-disconnector

| Mounting | | Horizontal | | | | | |
|---|-----------------------------------|---|----------|----------------------|----------------------|-------|----------|
|  | |  | | | | | |
| Devices | | GS32 | GS63 | GS100 ⁽¹⁾ | GS160 ⁽¹⁾ | GS250 | GS400 |
| | | 3P or 4P | | | | | |
| Number of devices per row | | 1 | | | | | |
| Number of vertical modules | | 3 | 5 | | | 7 | 8 |
| Mounting plates | | LVS03559 | LVS03560 | LVS03560 | LVS03564 | | LVS03566 |
| Front plates | with cut-out | LVS03308 | LVS03309 | LVS03309 | LVS03346 | | LVS03347 |
| | Nb of vertical modules downstream | - | - | LVS03801 [1M] | | | |
| Upstream connection | | | | | | | |
| Terminal | 3P | - | - | GS1AP33 | GS1AP43 | | |
| Cover | 4P | - | - | GS1AP34 | GS1AP44 | | |

| Mounting | | Vertical | | | | | |
|--|-----------------------------------|--|----------|----------------------|--|----------|----------|
|  | |  | | |  | | |
| Devices | | GS32 | GS63 | GS100 ⁽¹⁾ | GS160 ⁽¹⁾ | GS250 | GS400 |
| | | 3P or 4P | | | | | |
| Number of devices per row | | 3 | 2 | | | 1 | |
| Number of vertical modules | | 3 | 5 | | | 6 | |
| Mounting plates | | LVS03559 | LVS03563 | | | LVS03565 | LVS03567 |
| Front plates | with cut-out | LVS03308 | LVS03309 | | | LVS03349 | LVS03349 |
| | Nb of vertical modules downstream | - | - | | | - | - |
| Upstream connection | | | | | | | |
| Terminal | 3P | - | - | GS1AP33 | GS1AP43 | | |
| Cover | 4P | - | - | GS1AP34 | GS1AP44 | | |

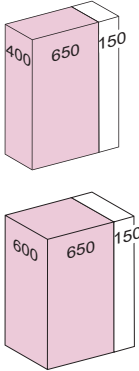
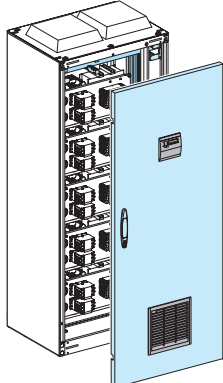
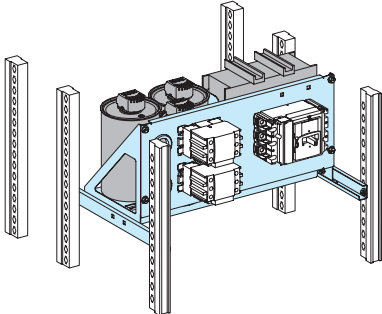
| Distribution | | Lateral busbars | |
|---|--|---|---|
|  | |  |  |
| | | Linergy LGYE or Linergy LGY busbars ⁽²⁾ | |
| Busbars connection | | Must be made | |

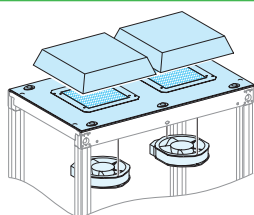
(1) For DIN fuses only.

(2) Selection of flexible bars for the connection Fupact GS ≤ 400 A: > page D-160.

Power factor correction equipment

Others

| Mounting | Door with cut-outs | Mounting plate |
|---|---|--|
|  |  |  |
| Catalog number | LVS03970 | LVS03979 |
| Characteristics | Special standard cover panels are used. However, a special IP30 door is used (W650 mm with hinges on left only) that has cut-outs, one for the VarplusLogic power factor controller and another in the bottom for a filter. | The mounting plates are designed for installation of capacitors, contactors and devices protecting against internal faults. The power factor correction modules are installed horizontally in the cubicle. Gasket gland plate NSYTPV is necessary for mounting plate wiring. |

| Mounting | Ventilation accessories | | | | | |
|-----------------|--|--|--|--|--|---|
| |  | | | | | |
| Cover panels | Roof with cut-out D = 400 mm D = 600 mm | Fan + top hood | Top hood without fan | Outlet grill | Fan with filter | Spare filter |
| Catalog number | LVS08478 LVS08678 | NSYCVF575M230MB | NSYCAC228RMB | NSYCAG291LPF | NSYCVF850M230PF | NSYCAF228R |
| Characteristics | A roof with a cut-out ensures natural ventilation of the equipment. It can also be equipped with two fans. | Fan characteristics <ul style="list-style-type: none"> Power: 85 W Input voltage: 230 V Throughput via outlet grill: <ul style="list-style-type: none"> with 1 outlet grill: 350 m³/hr Free with filter: 575 m³/hr Noise level: 64 dB Top hood characteristics <ul style="list-style-type: none"> Material: steel Finishing parts: painted with epoxy-polyester resin, textured RAL 9003, white IP54 Fixing to the top by means of caged nuts and special screws. | <ul style="list-style-type: none"> Material: steel Finishing parts: painted with epoxy-polyester resin, textured RAL 7035 grey IP54 Fixing to the top by means of caged nuts and special screws. | <ul style="list-style-type: none"> Material: Injected thermoplastic (ASA PC). self-extinguishing according to UL 94 V-0 RAL 9003, white IP54 | <ul style="list-style-type: none"> Power: 150/195 W Input voltage: 207 V... 244 V (230 V) Throughput via outlet grill: <ul style="list-style-type: none"> with 1 outlet grill (m³/h): <ul style="list-style-type: none"> 718 (50 Hz) 568 (60 Hz) Free with filter: <ul style="list-style-type: none"> 838 (50 Hz) 803 (60 Hz) Noise level: 76/75 dB | For outlet grill or filter IP54, cut-out 228 x 228 mm |

| Configuration | 200 kvar | 500 kvar |
|-----------------------|--|--|
| Door | | |
| Catalog number | LVS03970 + LVS01110 | LVS03970 + LVS01110 |
| Designation | W650 door IP30 with cut-out + W150 wicket door | W650 door IP30 with cut-out + W150 wicket door |
| For front | | |
| Catalog number | NSYCVF850M230PF | NSYCAG291LPF |
| Designation | Fan with filter | Outlet grill |
| For rear | | |
| Catalog number | LVS08748 | LVS08749 + NSYCAG291LPF |
| Designation | W800 Rear panel IP55 | W800 Rear panel IP55 cut-out + outlet grill |
| Roof | | |
| Catalog number | LVS08478 or LVS08678 | LVS08478 or LVS08678 |
| Designation | Roof with cut-out | Roof with cut-out |
| On roof | | |
| Catalog number | NSYCAC228RMB x 2 | NSYCVF575M230MB x 2 |
| Designation | 2 top hood without fan IP54 | 2 fans + top hood IP54 |
| Mounting plate | | |
| Catalog number | LVS03979 | LVS03979 |
| Designation | Mounting plate | Mounting plate |

| Mounting | | On a modular rail | | | | | | |
|--|--------------|--|---|---------------|--------------|--|--|------------------|
| | | | | | | | | |
| Devices | | Contactor Series D and K ≤ 40 A contactors | Circuit breaker GV2RT- GV2ME- GV2LE | GV2L- GV2P | GV3 | Circuit breaker + contactor GV2 + Series D and K ≤ 40 A contactors | TeSys TeSys modèle U | |
| Number of vertical modules | | 3 | 3 | 3 | 5 | 5 | 5 4 ⁽¹⁾ | |
| Useful length of rail (mm) | | 432 | 432 | | | 432 | 432 | |
| Modular rail (adjustable) | | LVS03402 | LVS03401 ⁽²⁾ | LVS03402 | LVS03402 | LVS03402 | LVS03402 | |
| Front plates [No. of vertical mod.] | plain | LVS03803 [3] | - | | | - | - | LVS03804 [4] |
| | transparent | - | - | | | LVS03342 [4] | - | LVS03342 [4] |
| | with cut-out | - | LVS03203 [3] | LVS03203 [3] | LVS03205 [5] | - | - | LVS03205 [5] - |
| | downstream | - | - | | | LVS03801 [1] | - | - |
| Characteristics | | - | | | | | Width of devices without lateral auxiliaries: 45 mm. | |

| Mounting | | On a modular rail | | | | On a base plate | |
|---------------------------------------|-------|---|-------------------------------------|------------------|--|--|--|
| | | | | | | | |
| Devices | | Soft starters ATS01 ATS01N103/106FT | ATS01N109/112FT ATS01N206 to 212 | ATS01N222 to 232 | ATS01N230LY ATS01N244LY ATS01N244Q | ATS01N272LY ATS01N285LY ATS01N272Q ATS01N285Q | LV/LV transformer ABL6-TS/TD up to 2500 VA ABL6-RT up to 960 W ABL6-RF up to 480 W |
| Number of vertical modules | | 4 | 5 | 6 | 5 | 6 | 4 |
| Useful length of rail (mm) | | 432 | 432 | 432 | 432 | - | - |
| Modular rail (adjustable) | | LVS03402 | LVS03402 | LVS03402 | LVS03402 | - | - |
| Slotted mounting plates | | - | - | - | - | LVS03572 | LVS03571 |
| Front plate [No. of vertical mod.] | plain | LVS03804 [4] | LVS03805 [5] | LVS03806 [6] | LVS03805 [5] | LVS03806 [6] | LVS03804 [4] |
| | | | | | | | |
| Characteristics | | Width of devices (mm) | | | | | - |
| | | 22.5 | 45 | 45 | 180 | 180 | |

(1) Version without communication module, auxiliary contact and reversing module.

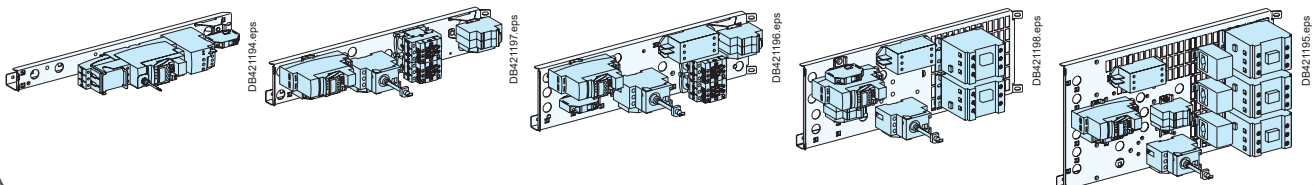
(2) Non-adjustable.



Dedicated mounting plate for Motor Control functional units.
5 commercial references from 1 to 6 modules mounting plates are installed in 650 mm wide cubicle.

- Easy installation
- Switchboard upgradeability
- Mounting plate optimal stacking density
- Functional units reliability.

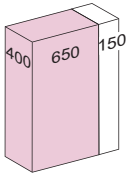
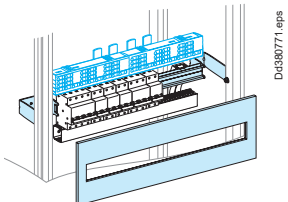
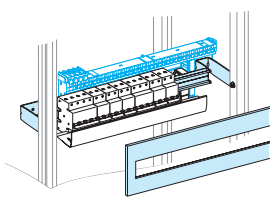
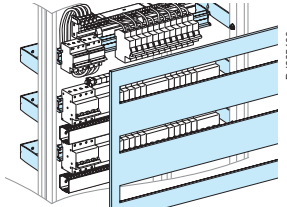
See PrismaSeT MCC Catalog DESW049EN.



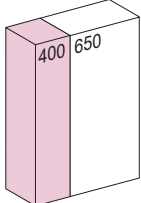
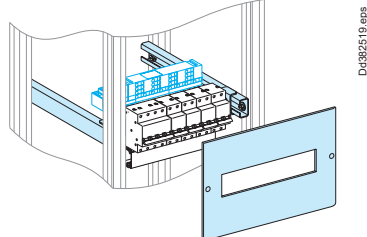
Modular devices

Acti 9 ≤ 63 A

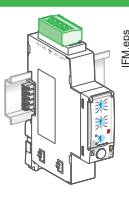
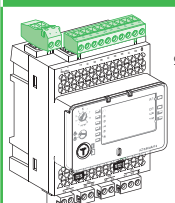
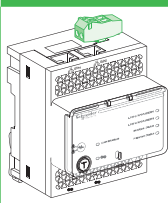
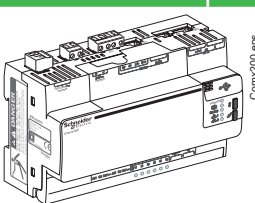
Circuit breakers

| Mounting | Horizontal distances between centres: 200 mm | Horizontal distances between centres: 150 mm | |
|---|---|--|---|
|  |  |  |  |

| Devices | All modular devices | Modular devices ≤ 40 A | |
|-------------------------------|---------------------|------------------------|--------------|
| Rail length (modules of 9 mm) | 48 | 48 | 48 |
| No. of vertical modules | 4 ⁽¹⁾ | 3 | 8 |
| Rail (48 modules of 9 mm) | LVS03401 | LVS03401 | 3 x LVS03401 |
| Modular front plates | LVS03204 | LVS03203 | LVS03223 |
| Blanking strip | LVS03220 | LVS03220 | LVS03220 |
| plate divisible | LVS03221 | LVS03221 | LVS03221 |

| Mounting | Horizontal distances between centres: 200 mm | Horizontal distances between centres: 150 mm |
|--|--|--|
|  |  | |

| Devices | All modular devices | Modular devices ≤ 40 A |
|-------------------------------|-----------------------|------------------------|
| Rail length (modules of 9 mm) | 20 | 20 |
| No. of vertical modules | 4 | 3 |
| Rail (20 modules of 9 mm) | LVS03404 (adjustable) | LVS03404 (adjustable) |
| Modular front plates | LVS03214 [4] | LVS03213 [3] |
| Blanking plate strip | LVS03220 | LVS03220 |
| divisible | LVS03221 | LVS03221 |

| | EnerlinX devices | | | | |
|-------------------------|---|---|--|---|---------|
| | IFM | I/O module | IFE | ComX200 | ComX510 |
| |  |  |  |  | |
| No. of vertical modules | 4 | | | | |
| Rail | LVS03401 / LVS03404 | | | | |
| Modular front plates | LVS03204 / LVS03214 | | | | |
| Characteristics | Installation by clip on a modular rail. | | | | |

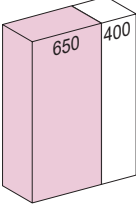
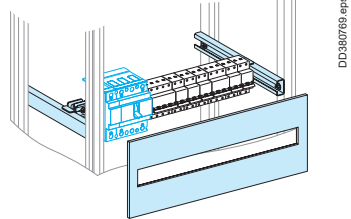
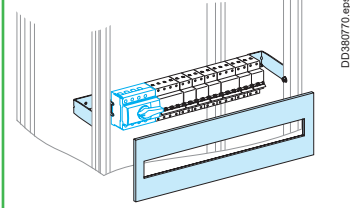
(1) For a modular row with a 160 A (half row) and 200 A Linergy FM distribution block positioned directly below a non-modular mounting-plate (ComPacT, etc.), or at the top of a switchboard, add one additional module (i.e. 4+1) and a plain upstream front plate (LVS03801).

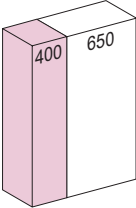
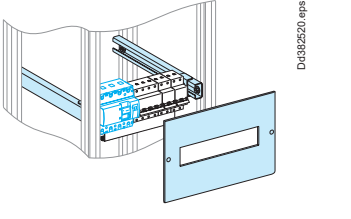
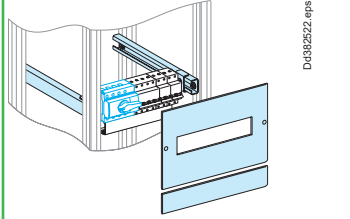


Modular devices

80/160 A switchboard incomer

Circuit breakers

| Mounting | Circuit breakers | | Switch-disconnectors | |
|---|---|---|--|--|
|  |  | |  | |
| Devices | NG160, NG160NA Vigi NG160 | NG125, NG125NA, Vigi NG125, C120, Vigi C120, iC120, Vigi iC120 | ComPacT INS40/160 | ComPacT INS-INV100/160 with long terminal shields |
| No. of vertical modules | 5 | 5 | 4 | 5 |
| Rail (48 modules of 9 mm) | LVS03402 (adjustable) ⁽¹⁾ + LVS04227 | LVS03401 | LVS03401 | LVS03401 |
| Modular front plates | LVS03205 | LVS03205 | LVS03204 | LVS03205 |
| Blanking plate strip | LVS03220 | | LVS03220 | |
| divisible | LVS03221 | | LVS03221 | |

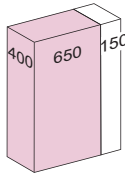
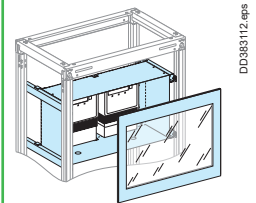
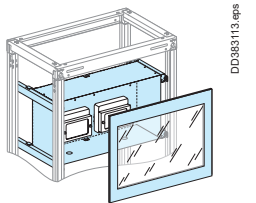
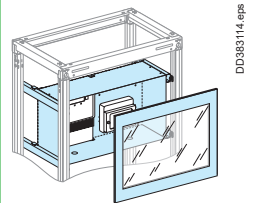
| Mounting | Circuit breakers | | Switch-disconnectors | |
|--|--|--|---|---|
|  |  | |  | |
| Devices | NG160, NG160NA, NG125, NSA125/160 | | INS-INV40/160 | INS-INV100/160 with long terminal shields |
| No. of vertical modules | 5 | | 4 | 5 |
| Rail (20 modules of 9 mm) | LVS03404 (adjustable) ⁽²⁾ | | LVS03404 (adjustable) | LVS03404 (adjustable) |
| Front plates modular | LVS03214 [4] | | LVS03214 [4] | LVS03214 [4] |
| [No. of vertical modules] downstream | LVS03811 [1] | | - | LVS03811 [1] |
| Blanking plate strip | LVS03220 | | LVS03220 | LVS03220 |
| divisible | LVS03221 | | LVS03221 | LVS03221 |

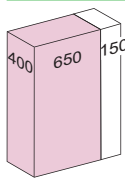
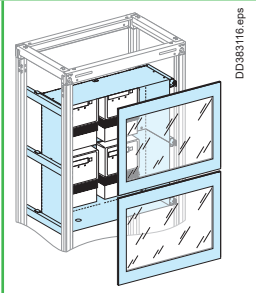
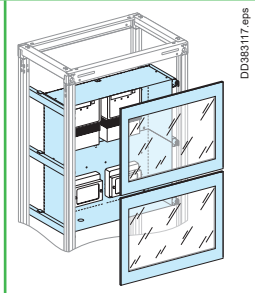
Metering

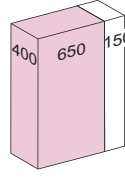
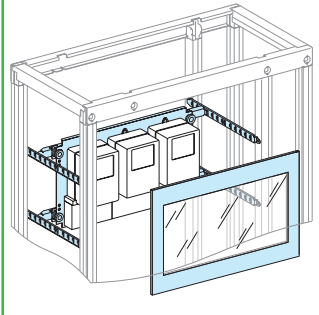
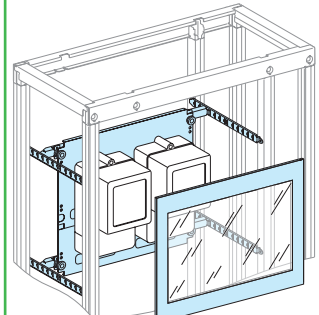
Single-phase and 3-phase kilowatt-hour meters

Class 1 & 2

Others

| Mounting | | With 1 mounting plate | | |
|---|-------------|---|--|---|
|  | |  |  |  |
| Devices | | Meter and connection block | | |
| | | Meter 3 Ph + N | Connection block | Meter + connection block |
| Number of devices per row | | 2 | 2 | 1 + 1 |
| Number of vertical modules | | 6 | 6 | 6 |
| Mounting plates | | LVS03508 | LVS03508 | LVS03508 |
| Front plates | transparent | LVS03343 [6] | LVS03343 [6] | LVS03343 [6] |
| [No. of vertical mod.] | or plain | LVS03806 [6] | LVS03806 [6] | LVS03806 [6] |

| Mounting | | With 2 mounting plates | |
|--|-------------|--|---|
|  | |  |  |
| Devices | | Meter and connection block | |
| | | Meter 3 Ph + N | Meter + connection block |
| Number of devices per row | | 4 | 2 + 2 |
| Number of vertical modules | | 12 | 12 |
| Mounting plates | | 2 x LVS03508 | 2 x LVS03508 |
| Front plates | transparent | 2 x LVS03343 [6] | 2 x LVS03343 [6] |
| [No. of vertical mod.] | or plain | 2 x LVS03806 [6] | 2 x LVS03806 [6] |

| Mounting | | Behind front plate | |
|---|-------------|---|--|
|  | |  |  |
| Devices | | Meter and connection block | |
| | | Single-phase (Ph + N) | 3-phase (3 Ph + N) |
| Number of devices per row | | 3 | 2 |
| Number of vertical modules | | 6 | 9 |
| Mounting plates | | – | LVS03152 |
| Front plates | transparent | LVS03343 [6] | LVS03344 [9] |
| [No. of vertical mod.] | or plain | LVS03806 [6] | – |
| Insulating plate | | – | – |
| Adapter | | LVS03595 | LVS03595 |
| Accessories | | M5 spacers for mounting plate > page D-25 | |

Note: Meters can be installed at different levels on the functional uprights of frameworks.

Metering and human-switchboard interface

PowerLogic™ Meters

Others

★ Presentation

PowerLogic™ Meters

Schneider Electric provides these tools via the world's most advanced energy intelligence technology: PowerLogic. The PowerLogic range of meters help manage all energy assets, every second of the day.

PowerLogic PM5000 series



The ideal fit for cost management applications, the PowerLogic™ PM5000 power meter provides:

- > Sub-billing/tenant metering
- > Equipment sub-billing
- > Energy cost allocation
- > Track real-time power conditions
- > Monitor control functions
- > Provide basic power quality values
- > Monitor equipment and network status.

Acti9 iEM2000 & iEM3000 series



The Acti9 iEM2000 & iEM3000 energy meter series offers a cost-attractive, competitive range of DIN rail-mounted energy meters ideal for:

- > Bill checking to verify that you are only charged for the energy you use
- > Sub billing individual tenants for their energy consumption, including WAGES
- > Aggregation of energy consumption, including WAGES, and allocating costs per area, per usage, per shift, or per time within the same facility
- > Basic metering of electrical parameters to better understand the behavior of your electrical distribution system.

Combined with communication systems, like Smart Link, the Acti9 iEM2000 & iEM3000 series makes it easy to integrate electrical distribution measurements into facility management systems. It's the right energy meter at the right price for the right job.

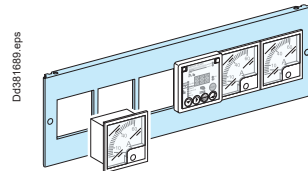
Possible installation

| Cat. number | LVS03904 | LVS03928 | LVS03910 | LVS03911 | LVS03913 | LVS03914 |
|---|----------|----------|----------|----------|----------|----------|
| Front plate frame support (LVS08566) | ■ | ■ | ■ | ■ | ■ | ■ |
| L300/L400 with cut-out (LVS08593, LVS08594) | ■ | ■ | ■ | ■ | ■ | - |

Note: Device mounting on door: earthing braid (cat. no. LVS08910) or earthing wire (cat. no. LVS08911) mandatory.

○ Installation in a switchboard

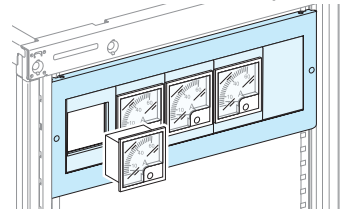
On a metal front plate with cut-outs, H = 150 mm (3 modules)



- > Devices are attached directly to the metal front plate.
- > Blanking plates are available to blank off any unused locations.
- > Economical solution.

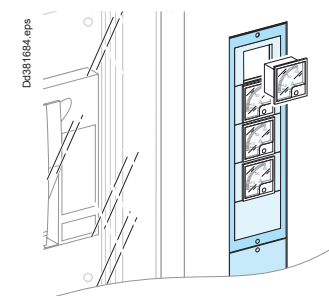
①

- > In the device zone of enclosures and cubicles, like a front plate



②


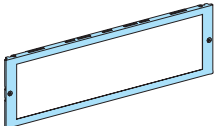



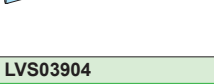



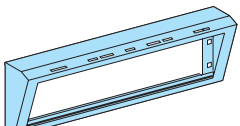







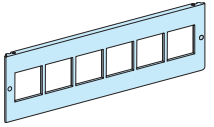


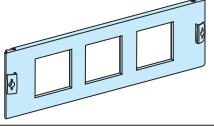


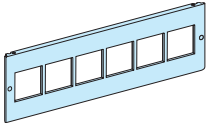





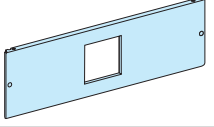



- > On a door with cut-outs in a 300 or 400 mm wide cubicle
- > On a inclined visor



The degree of protection for installed devices is IP30.

Notes:

- To maintain the IP55 degree of protection, the measurement devices must be installed behind a transparent door. If they are installed on a plain door, use the corresponding mounting plates.
- With a power voltage > SELV (12 V), devices on front plates must be mounted with a front plate hinge kit (cat no. LVS08585). The earthing braid must be connected to the front plate frame support (cat no. LVS08566, LVS08564, LVS08560, LVS08562 or else).
- With a power voltage > SELV (12 V) and a supply protection > 16 A, in addition to the preceding rule, the front plate frame support (cat no. LVS08566, LVS08564, LVS08560, LVS08562 or else) must be connected to the cubicle frame, using an earthing braid (cat no. LVS08910 or LVS08911). (standard NF / EN 61439-1 2011 edition).

| Number and type of devices per row | Metal front plate with cut-out | No. of vertical mod. | Plastic mounting plates with cut-out | Blanking plate or devices support |
|--|--|----------------------|--|---|
| W650 mounting on an interface with plastic mounting plates | | | | |
| 5 x  Vigirex and others devices 72 x 72 |  DD385459.eps | 3 |  DD385465.eps |  DD385466.eps To blank-off or install: - 1 to 4 Ø 16 or 22 mm buttons - 1 device, 45 x 45 |
| 4 x  Power Meter and others devices 96 x 96 | LVS03904 | |  DD385467.eps |  DD385468.eps To blank-off or install: - 1 to 4 Ø 16 or 22 mm buttons - 1 device, 45 x 45 - one 72 x 72 device |
| 2 x  (2) For PM200, 200P, PM5 & PM8 series meters | | | LVS03903 | LVS03901 |
| W650 mounting on an inclined visor by 30° with plastic mounting plates | | | | |
| 5 x  Vigirex and others devices 72 x 72 |  DD385459.eps | 3 |  DD385465.eps |  DD385466.eps To blank-off or install: - 1 to 4 Ø 16 or 22 mm buttons - 1 device, 45 x 45 |
| 4 x  Power Meter and others devices 96 x 96 | LVS03928 (1) | |  DD385467.eps |  DD385468.eps To blank-off or install: - 1 to 4 Ø 16 or 22 mm buttons - 1 device, 45 x 45 - one 72 x 72 device |
| 2 x  (2) For PM200, 200P, PM5 & PM8 series meters | | | LVS03903 | LVS03901 |
| W650 direct mounting on a metal front plate with cut-outs | | | | |
| 72 x 72 device | | | | |
| 6 x  Vigirex and others devices 72 x 72 |  DD385460.eps | 3 | Direct mounting |  DD385469.eps To blank-off or install: - 1 or 2 Ø 22 mm buttons - 1 device, 45 x 45 |
| | LVS03910 | | - | LVS03907 |
| 96 x 96 device | | | | |
| 3x  Power Meter and others devices 96 x 96 |  DD119465.eps | 3 | Direct mounting |  DD385470.eps To blank-off or install: - 1 or 2 Ø 22 mm buttons - 1 device, 45 x 45 - one 72 x 72 device |
| | LVS03911 | | - | LVS03908 |
| 1 x  Power Meter and others devices 96 x 96 |  DD385462.eps | 3 | Direct mounting |  DD385470.eps To blank-off or install: - 1 or 2 Ø 22 mm buttons - 1 device, 45 x 45 - one 72 x 72 device |
| | LVS03913 | | - | LVS03908 |
| 144 x 144 device + 72 x 72 devices | | | | |
| 1 x  144 x 144 device + devices 72 x 72 | | 4 | Direct mounting |  DD385469.eps To blank-off or install: - 1 or 2 Ø 22 mm buttons - 1 device, 45 x 45 |
| 4 x  | | | - | LVS03907 |
| W650 pushbuttons and lamps Ø 22 mm | | | | |
| 12 x  Ø 22 mm |  DD385464.eps | 2 | Direct mounting | |
| | LVS03914 | | - | - |
| W400 front plate | | | | |
| 1 x  Power Meter and others devices 96 x 96 |  DD385660.eps | 3 | Direct mounting |  DD385470.eps To blank-off or install: - 1 or 2 Ø 22 mm buttons - 1 device, 45 x 45 - one 72 x 72 device |
| | LVS03923 | | - | LVS03908 |

(1) The visor (cat. no. **LVS03928**) can be installed on a plain door with cut-out.

(2) For PM200, 200P, PM5 & PM8 series meters, use 2 no. blank off sheets between each meter.

Metering and human-switchboard interface

PowerLogic™ Meters

Vigilohm, Vigirex

Others

| Mounting | | Powerlogic system | | | | |
|-------------------------|--|--|--|------------------------------|---|----------------------------|
| | | | | | | |
| Devices | | FDM121, PM5000 & PM8000 series ⁽²⁾ | PM3000 series, IEM2000 & iEM3000 series | FDM128 ⁽¹⁾ | PM5RD, PM89RD96, PM5563RD ⁽³⁾ | |
| | | 1 device | 3 devices | | | |
| Number of vertical mod. | | 3 | 3 | 4 | 4 | |
| DIN rail | | - | - | - | LVS03402 | |
| Front plates | | - | - | - | - | |
| [No. of vert. modules] | | - | - | - | - | |
| transparent | | - | - | LVS03804 [4] | LVS03804 [4] | |
| plain | | - | - | - | - | |
| with cut-out | | LVS03913 [3] | LVS03911 [3] | - | - | |
| Front plate | | with cut-out for devices 96 x 96 | | | hole ø 22 mm to be stamped | hole ø 30 mm to be stamped |

| Mounting | | Powerlogic system | | |
|-------------------------|--|--|------------------------------|---|
| | | | | |
| Devices | | FDM121, PM5000 series, PM8000 series ⁽²⁾ | FDM128 ⁽¹⁾ | PM5RD, PM89RD96, PM5563RD ⁽³⁾ |
| Number of vertical mod. | | 3 | 4 | 4 |
| DIN rail | | - | - | LVS03404 |
| Front plates | | - | - | - |
| [No. of vert. modules] | | - | - | - |
| with cut-out | | LVS03923 [3] | - | - |
| plain | | - | LVS03814 [4] | LVS03814 [4] |
| Front plate | | with cut-out for devices 96 x 96 | hole ø 22 mm to be stamped | hole ø 30 mm to be stamped |

| Mounting | | Vigilohm | | |
|----------------------------|--|---|--|--|
| | | | | |
| Devices | | IM400 with 3 XD301 or with 1 or 2 IFL12 | IM10, IM10H, IM20, IM20H HV-IM20, HV-IM400, IM9, IM9-OL | IM10 / IM10H IM20 / IM20H |
| Number of vertical mod. | | 6 | 3 | 3 |
| Modular rail | | - | LVS03401 | - |
| Mounting plates | | LVS03930 | - | - |
| Front plates with cut-outs | | LVS03932 | LVS03203 | LVS03911 |
| Characteristics | | Installation in the device compartment | | |

| Mounting | | Vigirex | Acti 9 | |
|----------------------------|--|--|---------------------------|---------------------------|
| | | | | |
| Devices | | RH10/RH21/RH99/RH197M relays | Lamps, pushbuttons | Ammeter, voltmeter |
| Number of vertical mod. | | 3 | 2 | 3 |
| Modular rail | | LVS03401 | LVS03401 | LVS03401 |
| Front plates with cut-outs | | LVS03203 | LVS03202 | LVS03203 |
| Blanking strip | | LVS03220 | LVS03220 | LVS03220 |
| plate | | LVS03221 | LVS03221 | LVS03221 |
| divisible | | LVS03221 | LVS03221 | LVS03221 |
| Characteristics | | Installation in the device compartment | | |

(1) For 72 x 72 mm cases > page D-76.

(2) Only for flush-2mounted versions of PM5000 series and PM8000 series.

(3) Only for remote-display versions of PM5000 series and PM8000 series.

Linergy Distribution Systems

Contents

Power busbars

| | |
|--|------|
| Linerogy LGYE Horizontal profiles up to 3200 A | D-82 |
| Linerogy LGY Lateral profiles up to 3200 A | D-83 |
| Linerogy LGYE Lateral profiles up to 3200 A | D-84 |
| Linerogy busbars Accessories | D-85 |

Distribution blocks

| | |
|---|------|
| Linerogy DP Quick distribution blocks - ComPacT NSX and INS-INV up to 250 A | D-86 |
| Quick distribution blocks - ComPacT NSXm up to 160 A | D-87 |

Device feeders

| | |
|---|------|
| Linerogy FC Feeders for ComPacT NSX and INS-INV up to 250 A | D-88 |
| Feeders for ComPacT NSXm up to 160 A | D-90 |

Secondary distribution

| | |
|--------------------------------|-------------|
| Insulated flexible bars | D-92 |
|--------------------------------|-------------|

Distribution blocks

| | |
|---|------|
| Linerogy DX Quick distribution blocks | D-94 |
|---|------|

Device feeders

| | |
|--|------|
| Linerogy FM Quick device feeders | D-96 |
|--|------|

Distribution blocks

| | |
|---|------|
| Linerogy DS Screw distribution blocks | D-98 |
|---|------|

Device feeders

| | |
|---|-------|
| Linerogy FH Comb busbar for 27 mm pitch for C120, NG125 | D-100 |
| Comb busbar for 18 mm pitch for Acti 9 | D-101 |
| Horizontal comb busbar for 9 mm pitch for Acti 9, C60 | D-102 |
| Horizontal comb busbar for 9 mm pitch for Acti 9 | D-103 |
| Horizontal comb busbar for 18 mm pitch for Domae | D-104 |
| Horizontal biconnect comb busbar for 18 mm pitch | D-105 |

Terminal blocks and lines

| | |
|---|-------|
| Linerogy TA Auxiliary connections | D-106 |
| Linerogy TB Earth bars | D-108 |
| PE conductor | D-109 |

Secondary distribution

| | |
|---|--------------|
| Linerogy TB terminal block support | D-110 |
|---|--------------|

Electrical characteristics

| | |
|--|-------|
| Designing connection ≤ 630 A Auxiliary connections | D-111 |
| Linerogy TR Terminal blocks | D-112 |
| Linerogy cable ends Mounting and cabling accessories | D-114 |

Linergy LGYE

Horizontal profiles up to 3200 A

400 mm deep installation

Power busbars

| Linergy LGYE profiles | | Up to 1600 A | | | | | Up to 2500 A | | Up to 3200 A | |
|--|---------|--------------|----------|----------|----------|----------|--------------|----------|--------------|--|
| Installation Linergy profiles, 2000 mm length | | | | | | | | | | |
| | | 630 A | 800 A | 1000 A | 1250 A | 1600 A | 2000 A | 2500 A | 3200 A | |
| Permissible current for an ambient temperature of 35 °C around the switchboard | IP ≤ 31 | 630 A | 800 A | 1000 A | 1250 A | 1650 A | 2000 A | 2440 A | 3200 A | |
| | IP > 31 | 530 A | 680 A | 850 A | 1050 A | 1480 A | 1650 A | 2100 A | 2800 A | |
| Number of profiles per phase | | 1 | | | | | | | | |
| Total number of vertical modules (50 mm) | | 3 | | | | | 3 | | 4 | |
| Catalog numbers | | LVS04560 | LVS04561 | LVS04562 | LVS04563 | LVS04564 | LVS04565 | LVS04566 | LVS04567 | |

| Busbar supports | | LVS04662 | | LVS04664 | |
|---|---|--|--|--|--|
| | | | | | |
| Characteristics | | Two fixed supports for 650 mm or 650 + 150 mm wide PrismaSeT P frameworks and one fixed support for 300/400 mm wide PrismaSeT P frameworks are mandatory. If more supports are required, use free supports. Note: In case of 600 mm depth with 115 mm between centers, replace LVS04664 fixed support by LVS04665 and LVS04662 free support by LVS04678. | | | |
| In cubicle W = 650 or W = 650+150 busbar supports 75 mm between centres | Number of supports | ≤ 15 | 2 | | |
| | depending on l _{cw} (kA rms/1 s) | ≤ 25 | 2 | | |
| Number of supports | ≤ 30 | 2 | | | |
| | ≤ 40 | 2 | | | |
| 75 mm between centres | ≤ 50 | 2 | 2 | | |
| | ≤ 60 | 2 | 2+1 | 2 | |
| Number of supports | ≤ 65 | 2 | 2+1 | | |
| | ≤ 75 | 2 | 2+1 | | |
| Number of supports | ≤ 85 | 2 | 2+1 | | |
| | ≤ 100 | 2 | 2+3 | | |
| Catalog numbers | Fixed support | LVS04664 | LVS04664 + LVS04671 ⁽¹⁾ (hardware) | LVS04664 + LVS04646 ⁽²⁾ (hardware) | |
| | Free support | LVS04662 | LVS04662 + LVS04671 ⁽¹⁾ (hardware) | LVS04662 + LVS04646 ⁽²⁾ (hardware) | |
| In cubicle W = 800 busbar supports 75 mm between centres | Number of supports | ≤ 100 | 2 + 4 ⁽³⁾ | | |
| | depending on l _{cw} (kA rms/1 s) | | | | |
| Catalog numbers | Fixed support | LVS04664 | LVS04664 + LVS04671 ⁽¹⁾ (hardware) | LVS04664 + LVS04646 ⁽²⁾ (hardware) | |
| | Free support | LVS04662 | LVS04662 + LVS04671 ⁽¹⁾ (hardware) | LVS04662 + LVS04646 ⁽²⁾ (hardware) | |
| In duct W = 300 busbar supports 75 mm between centres | Number of supports | ≤ 60 | 1 | | |
| | depending on l _{cw} (kA rms/1 s) | ≤ 85 | 1 + 1 | | |
| Number of supports | ≤ 100 | 1 | 1 + 1 | | |
| | | | | | |
| Catalog numbers | Fixed support | LVS04664 | LVS04664 + LVS04671 ⁽¹⁾ (hardware) | LVS04664 + LVS04646 ⁽²⁾ (hardware) | |
| | Free support | LVS04662 | LVS04662 + LVS04671 ⁽¹⁾ (hardware) | LVS04662 + LVS04646 ⁽²⁾ (hardware) | |
| In duct W = 400 busbar supports 75 mm between centres | Number of supports | ≤ 50 | 1 | | |
| | depending on l _{cw} (kA rms/1 s) | ≤ 85 | 1 + 1 | | |
| Number of supports | ≤ 100 | 1 | 1 + 1 | | |
| | | | | | |
| Catalog numbers | Fixed support | LVS04664 | LVS04664 + LVS04671 ⁽¹⁾ (hardware) | LVS04664 + LVS04646 ⁽²⁾ (hardware) | |
| | Free support | LVS04662 | LVS04662 + LVS04671 ⁽¹⁾ (hardware) | LVS04662 + LVS04646 ⁽²⁾ (hardware) | |

| Joints | | Up to 1600 A | | | | | Up to 2500 A | | Up to 3200 A |
|-----------------|--|--|-------|--------|--------|--------|---|--------|---|
| | | 630 A | 800 A | 1000 A | 1250 A | 1600 A | 2000 A | 2500 A | 3200 A |
| | | | | | | | | | |
| Catalog numbers | | LVS04620 | | | | | LVS04624 | | LVS04623 |
| | | 3x LVS04620 (3P) 4x LVS04620 + LVS04624 (4P) | | | | | 3x LVS04621 (3P) 4x LVS04621 + LVS04624 (4P) | | 3x LVS04623 (3P) 4x LVS04623 + LVS04624 (4P) |
| Note | | LVS04624 is mandatory in case of jointed 4P Linergy LGYE busbars installations and must be installed only at the junction on side-by-side frameworks combination. When installed at the bottom of cubicles, the busbars must be partitioned. | | | | | | | |

(1) LVS04671: mounting hardware for bars or profile H = 100 or 120 mm. Contains 2 threaded rods and 4 insulators.
 (2) LVS04646: mounting hardware for bars or profile H = 150 mm. Contains 2 threaded rods and 2 insulators. **Note:** For accessories > page D-85.
 (3) It is applicable for W800 control panel configuration only.

Linergy LGY

Lateral profiles up to 3200 A

400 mm deep installation

Power busbars

| Linergy LGY profiles | | Up to 1600 A (simple busbars) | | | | | Up to 3200 A (double busbars) | | |
|--|---------|-------------------------------|----------|----------|----------|----------|-------------------------------|------------|------------|
| In duct Linergy profiles, 1670 mm length | | W150 | | | | | 2 x W150 | | |
| | | | | | | | | | |
| Permissible current for an ambient temperature of 35 °C around the switchboard | IP ≤ 31 | 630 A | 800 A | 1000 A | 1250 A | 1600 A | 2 x 1000 A | 2 x 1250 A | 2 x 1600 A |
| | IP > 31 | 590 A | 760 A | 1040 A | 1290 A | 1650 A | 2000 A | 2500 A | 3200 A |
| Number of profiles per phase | | 1 | | | | | 2 | | |
| Catalog numbers | | LVS04502 | LVS04503 | LVS04504 | LVS04505 | LVS04506 | LVS04504 | LVS04505 | LVS04506 |

| Busbar supports | | Fixed support LVS04651 | |
|-----------------|--|--|--------------------------------------|
| | Characteristics | An end stop must be installed on the bottom support: LVS01109 (set of 12). | |
| | Number of supports depending on I _{cw} (kA rms/1 s) | ≤ 25 ≤ 30 ≤ 40 ≤ 50 ≤ 60 ≤ 65 ≤ 75 ≤ 85 | 3 3 3 4 5 5 7 8 |
| Catalog numbers | Fixed support | LVS04651 | |
| | Chock | LVS01109 | |

D

| Equipotential links | | Equipotential link | |
|---------------------|---|--|--|
| | 3 equipments must be installed between the busbars. | | |
| | | Connection made with a flat 80 x 10 mm busbar between 2 W150 ducts | |

| Connections to the horizontal Linergy LGYE busbars | | Vertical connection | |
|--|--|--|--|
| | ≤ 1600 A | Supplied with mounting hardware. Catalog numbers include 1 connection only: 1 connection per phase. | |
| | Cat. no. according to horizontal busbar size | LVS04602 (vertical connection) LVS04603 (vertical shifted connection) ⁽¹⁾ | |

(1) Dedicated connection LVS04603 for Linergy LGYE busbar in 150 mm duct with horizontal jointing

(2) LVS04642: mounting hardware for bars > 80 mm. Comprises 2 threaded rods.

Linergy LGYE

Lateral profiles up to 3200 A

400 mm deep installation

Power busbars

Linergy LGYE profiles

| | | Linergy profile, 2000 mm length ⁽¹⁾ | | | | | Linergy profile, 1625 mm length | | |
|--|--|--|----------|----------|----------|----------|---------------------------------|----------|----------|
| In duct | | W150 | | | | | W150 | W300 | |
| Linergy profile | | | | | | | | | |
| | | 630 A | 800 A | 1000 A | 1250 A | 1600 A | 2000 A | 2500 A | 3200 A |
| Permissible current for an ambient temperature of 35 °C around the switchboard | | 630 A | 800 A | 1000 A | 1250 A | 1650 A | 2000 A | 2440 A | 3200 A |
| IP ≤ 31 | | 530 A | 680 A | 850 A | 1050 A | 1480 A | 1650 A | 2100 A | 2800 A |
| IP > 31 | | | | | | | | | |
| Length to cut for side mounting | | 1675 mm | | | | | - | | - |
| Number of profiles per phase | | 1 | | | | | | | |
| Catalog numbers | | LVS04560 | LVS04561 | LVS04562 | LVS04563 | LVS04564 | LVS04507 | LVS04508 | LVS04509 |

| Busbar supports | | | | | | | | | | |
|---|--|--|---|----------|---|------------------------------------|---|------------------------------------|---|--|
| | | | | | | | | | | |
| Characteristics | | Attach directly to the framework. Three fixed supports are required to maintain the busbars. If more than three supports are required, use additional free supports. The bottom support maintains the bars in position. It is not considered a busbar support. Note: In case of 600 mm depth with 115 mm between centers, replace LVS04661 fixed support by LVS04668, free support LVS04662 by LVS04678 and bottom support LVS04663 or LVS04666 by LVS04673. | | | | | | | | |
| Number depending on l _{cw} (kArms/1 s) | | ≤ 30 | 3 | | 3 | | 3 | | 3 | |
| ≤ 40 | | 3+2 | | 3 | | 3 | | 3 | | |
| ≤ 50 | | 3+2 | | 3 | | 3 | | 3 | | |
| ≤ 60 | | 3+2 | | 3 | | 3 | | 3 | | |
| ≤ 65 | | 3+2 | | 3 | | 3 | | 3 | | |
| ≤ 75 | | 3+4 | | 3+2 | | 3+2 | | 3+2 | | |
| ≤ 85 | | 3+4 | | 3+4 | | 3+4 | | 3+4 | | |
| ≤ 100 | | 3+6 | | 3+6 | | 3+6 | | 3+6 | | |
| In duct W150, W = 300 busbar supports 75 mm between centres | | Fixed support | | LVS04661 | | LVS04661 + LVS04671 ⁽²⁾ | | LVS04661 + LVS04646 ⁽³⁾ | | |
| Catalog numbers | | Free support | | LVS04662 | | LVS04662 + LVS04671 ⁽²⁾ | | LVS04662 + LVS04646 ⁽³⁾ | | |

Busbars chocks

| | | | |
|-----------------------|--|---|--|
| | | | |
| Characteristics | | Chocks installed on a bottom support LVS04658 The bottom support maintains the sections in position. It is not considered a busbar support. | |
| In duct W150, W = 300 | | Bottom support | |
| Catalog numbers | | LVS04663 | |
| Chocks | | LVS04658 | |
| | | LVS04659 | |
| | | LVS04666 + LVS04661 | |

Connections to the horizontal Linergy LGYE busbars

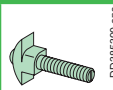
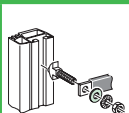
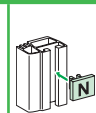
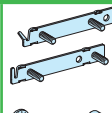
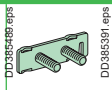
| | | | | | |
|--|--|---|--|-----------------------------|--|
| | | | | | |
| Characteristics | | 630 to 1600 A Supplied with mounting hardware. Catalog numbers include 1 connection only: 1 connection per phase. | | | |
| Cat. no. according to horizontal busbar size | | LVS04602 (straight connection) | | LVS04604 (short connection) | |
| | | LVS04603 (shifted connection) | | LVS04605 (long connection) | |
| | | LVS04607 | | LVS04607 | |

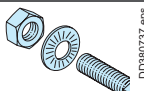
(1) Linergy LGYE profiles up to 1600 A must be cut at the dimension of the cubicle : 1625 mm
 (2) LVS04671: mounting hardware for bars or profile H = 100 or 120 mm. Containt 2 threaded rods and 4 insulators.
 (3) LVS04646: mounting hardware for bars or profile H = 150 mm. Containt 2 threaded rods and 3 insulators.


Linergy busbars

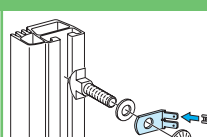
Accessories

Power busbars

| Accessories | | | | | | | | | | | |
|-----------------|---|-----------------|---|-----------------|-----------------|--|---|--|---|--|--|
| |  DD385390.eps | |  DD381219-LIN-16.eps | | |  DD381222-LIN-10.eps | |  DD385391.eps | |  DD385391.eps | |
| | Linergy connection hardware | | Steel flat washers | | | Brass flat washers | | Markers | | Screwplate | |
| Cat. no. | LVS04766 | LVS04767 | LVS04772 | LVS04773 | LVS04774 | LVS04775 | LVS04794 | LVS01130 | LVS04768 | LVS04769 | |
| Characteristics | L 25 mm | L 39 mm | 20 mm ext. Ø | 24 mm ext. Ø | 28 mm ext. Ø | 20 mm ext. Ø | | 2 studs | 2 studs | 3 studs | |
| | Set of 20: 20 bolts + 20 nuts + 20 contact washers, class 8.8. The screws slide into the profile and are then locked in the desired position. | | M8 set of 20 | | | M8 sold in lots of 20 for connection of ≤ 25 mm ² lugs to Linergy | 12 clip-on supports + N, L1, L2, L3, PE, PEN labels | Linergy LGYE busbars connection kit spare part | Set of 12 flat plates with 2 studs + 24 torque nuts + 24 contact washers. The plates slide along the profile. | Set of 8 flat plates with 3 studs + 24 torque nuts + 24 contact washers. The plates slide along the profile. | |

| M8 bolts | | |
|--------------------------------|--|---|
| |  DD380737.eps | |
| Linergy BS, 20 bolts class 8.8 | Characteristics | Set of 20 bolts + 20 nuts + 40 contact washers. |
| | Catalog numbers | LVS04782 |
| | M8 x 20 | LVS04783 |
| | M8 x 25 | LVS04784 |
| | M8 x 30 | LVS04785 |
| | M8 x 35 | LVS04786 |
| | M8 x 40 | LVS04787 |
| | M8 x 45 | LVS04788 |
| | M8 x 50 | LVS04788 |

| Torque nuts | | |
|-------------------|--|---|
| |  DD380735.eps | |
| 20 M8 torque nuts | Characteristics | Can be used to obtain the correct tightening torque (28 Nm) recommended by the manufacturer, without using a torque wrench. Torque nuts may be used for all electrical connections. |
| | Catalog numbers | LVS04759 |

| Voltage tap-offs | | |
|---|--|--|
| |  DD380736.eps | |
| 20 Voltage tap-offs M10 pour 2 clips 6.35 | Characteristics | For small lugs (on low-current cables or measurement tap-offs), insert a conducting washer (cat. no. LVS04775) between the busbar and the lug. |
| | Catalog numbers | LVS04229 |

★ Connections on Linergy LGYE & LGY

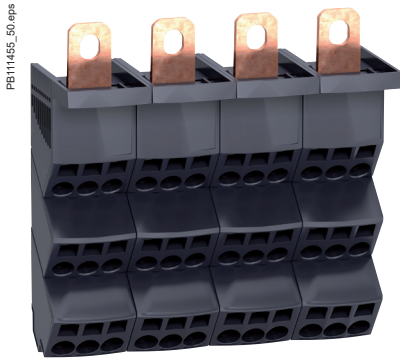
| InA (A) | | Connecting to Linergy LGYE | Connecting to Linergy LGY |
|--------------|---------------------------------|--|--|
| 0 to 630 | Cable - Insulated flexible bars | 25 mm Linergy connection hardware used | 25 mm Linergy connection hardware used |
| 800 to 1250 | 5 mm bars | 25 mm Linergy connection hardware used | 25 mm Linergy connection hardware used |
| 1600 to 2500 | 5 mm or 10 mm bars | Use of the 2 studs flat plate | 39 mm Linergy connection hardware used |
| 3200 to 4000 | 10 mm bars | Use of the 3 studs flat plate | - |

Note: Jointing between 2 busbars (horizontal/vertical or horizontal/horizontal) must be mandatory done with studs plates.

Linergy DP

Quick distribution blocks - ComPacT NSX and INS-INV up to 250 A

Distribution blocks



IEC 60947-7-1, IEC 61439-1 and 2

Description

The Linergy DP quick distribution block is designed for installation directly downstream of ComPacT NSX and INS-INV up to 250 A. It can also be clipped onto a modular rail.

Advantages

- It is quick to mount in the horizontal position. Electrical connections are made directly to the device terminals.
- It is the same width as the devices and does not take up any additional space in the switchboard.
- The connection terminals are slanted to facilitate cable entry and avoid exceeding the bending radius of the flexible and rigid cables.

| Quick distribution blocks for ComPacT devices | | | Additional block | |
|---|---|---|---|--|
| Number of poles | 3P | 4P | 3P/4P | |
| | | | | |
| Rated operational current (Ie) | 250 A | 250 A | 250 A | |
| Rated peak withstand current (Ipk) | 30 kA | 30 kA | 30 kA | |
| Rated short-time current (Icw) | 8.5 kA rms/1 s | 8.5 kA rms/1 s | — | |
| Thermal stress (I ² .t) | 7.225 x 10 ⁷ | 7.225 x 10 ⁷ | — | |
| Total connection capacity, outgoing terminals | 27 connections: 6 x 10 ² /phase 3 x 16 ² /phase | 36 connections: 6 x 10 ² /phase 3 x 16 ² /phase | 2 connections: 2 x 35 ² /pole | |
| Incomer terminals | 1 cable lug 120 mm ² per pole | | | |
| Dimensions (H x W x D) | 105 x 138 x 63 | 140 x 138 x 64 | — | |
| Installation | On mounting plate or DIN rail | | On mounting plate | |
| Product certifications | ASEFA | | | |
| Standard for installation inside PrismaSeT | IEC 61439-1-2 | | | |
| Glow-wire 60695-2-11 | 960 °C | | | |
| Catalogue numbers | LVS04033 | LVS04034 | LVS04155 (3P) LVS04156 (4P) | |

| Technical Data | |
|--|--|
| Common characteristics | |
| Rated conditional short-circuit current of an assembly (Isc) | The reinforced breaking capacity due to cascading in circuit-breaker combinations is maintained. The worst-case situations have been tested. |
| Rated insulation voltage (Ui) | 750 V AC |
| Rated operational voltage (Ue) | 690 V AC |
| Rated impulse withstand voltage (Uimp) | 8 kV |
| Network frequency | 50/60 Hz |
| Degree of protection | IPxxB |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Additional technical characteristics | |
| Reference temperature | 40 °C |
| Operating temperature | -25 °C to 55 °C |

Installation

DD361402-eps

It can also be mounted downstream of vertically mounted **ComPacT NSX100/250** and **ComPacT INS-INV250** devices in the enclosures. In this case, the Linergy DP is mounted on a depth-adjustable modular rail.

DD365361-eps

Directly on the mounting plates of horizontally mounted **ComPacT NSX100/250** and **ComPacT INS-INV250** devices in the enclosures.

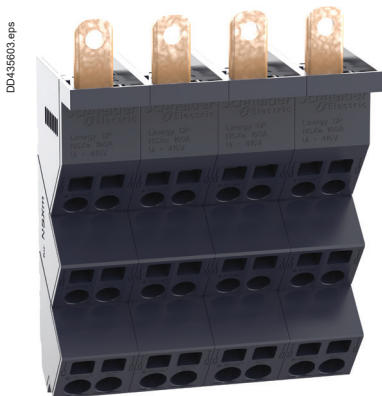
For details on mounting plates, refer [pages D-52, D-53 and D-54](#).

Note: Electrical characteristics > page D-111.

Linergy DP

Quick distribution blocks - ComPacT NSXm up to 160 A

Distribution blocks



IEC 60947-7-1, IEC 61439-1 and 2


Description

The Linergy DP quick distribution block is designed for installation directly downstream of ComPacT NSXm up to 160 A. It can also be clipped onto a modular rail.

Advantages

- It is quick to mount in the horizontal position. Electrical connections are made directly to the device terminals.
- It is the same width as the devices and does not take up any additional space in the switchboard.
- The connection terminals are slanted to facilitate cable entry and avoid exceeding the bending radius of the flexible and rigid cables.

Quick distribution blocks for ComPacT devices

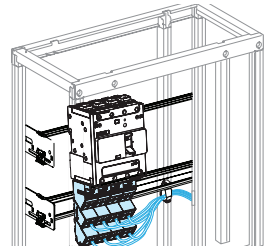
| Number of poles | 3P | 4P |
|---|---|---|
| |  |  |
| Rated operational current (Ie) | 160 A | 160 A |
| Rated peak withstand current (Ipk) | 20 kA | 20 kA |
| Rated short-time current (Icc) | 70 kA | 70 kA |
| Thermal stress (I².t) | 4.7 x 10⁶ A²S | 4.7 x 10⁶ A²S |
| Total connection capacity, outgoing terminals | 18 connections: 4 x 10²/phase 2 x 16²/phase | 24 connections: 4 x 10²/phase 2 x 16²/phase |
| Incomer terminals | 1 cable lug 70 mm² per pole | |
| Dimensions (H x W x D) | 140 X 81 X 58 mm | 140 X 108 X 58 mm |
| Installation | On mounting plate or DIN rail | |
| Product certifications | ASEFA | |
| Standard for installation inside PrismaSeT | IEC 61439-1-2 | |
| Glow-wire 60695-2-11 | 960 °C | |
| Catalogue numbers | LVS04038 | LVS04039 |



Technical Data

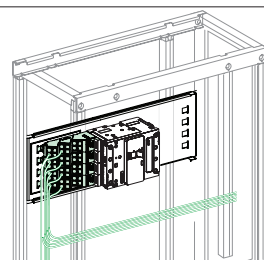
| Common characteristics | | |
|--|--|--|
| Rated conditional short-circuit current of an assembly (Isc) | | The reinforced breaking capacity due to cascading in circuit-breaker combinations is maintained. The worst-case situations have been tested. |
| Rated insulation voltage (Ui) | | 800 V AC |
| Rated operational voltage (Ue) | | 690 V AC |
| Rated impulse withstand voltage (Uimp) | | 8 kV |
| Network frequency | | 50/60 Hz |
| Degree of protection | | IPxxB |
| Degree of pollution | | 3 |
| Oversoltage category | | III |
| Additional technical characteristics | | |
| Reference temperature | | 40 °C |
| Operating temperature | | -25 °C to 55 °C |

Installation



DD435606 eps

It can also be mounted downstream of vertically mounted **ComPacT NSXm** devices in the enclosures. In this case, the Linergy DP is mounted on a depth-adjustable modular rail.



DD435607 eps

Directly on the mounting plates of horizontally mounted **ComPacT NSXm** devices in the enclosures.

For details on mounting plates, refer [page D-55](#).

Note: Electrical characteristics > page D-111.

Linergy FC

Feeders for ComPacT NSX and INS-INV up to 250 A

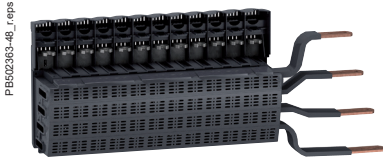
Device feeders

IEC 61439-1 and 2

Description

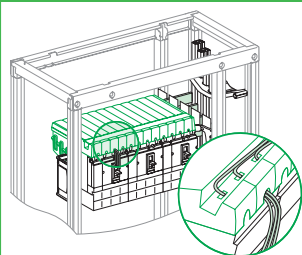
Linergy FC is an insulated horizontal distribution block. It connects directly to the mounting plate and can supply:

- Three 4P and four 3P ComPacT NSX circuit breakers, whatever the ratings (100, 160 or 250 A), the operating systems (toggle, rotary handle, motor mechanism), whether fixed or plug-in, front or rear connection (the circuit breakers must be equipped with long terminal shields downstream).
- Three 4P or four 3P ComPacT INS-INV switch-disconnectors, whatever the ratings (100, 160 or 250 A), whether front or rear connection.
- The design and small size blend thoroughly with the devices.
- It can be supplied by Linergy LGY busbars positioned to the left or right.
- Fully insulated, Linergy FC helps to protect life and property. Numerous and well distributed vents ensure natural convection and optimum cooling of the conductors.
- The circuit breakers can be easily connected from the front. It is simple to interchange a device or to add a device in a reserve slot.
- There are markings (N, L1, L2, L3) on the front and the sides for the phases.
- The running of auxiliary cables between the devices and the corresponding terminal blocks is also taken into account. Spacious trunking is built into the blocks for the auxiliary wiring.

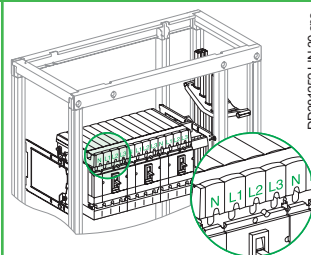


| | ComPacT NSX100/250 & INS-INV250 - Toggle, fixed | | ComPacT NSX100/250 - Rotary handle, motor mechanism - plug-in, fixed, ComPacT NSX100/250 - All controls, withdrawable | | ComPacT NSX100/250 & INS-INV250 - All controls, fixed and withdrawable | |
|---|--|----------|---|----------|--|-------------------------|
| | | | | | | |
| | Linergy FC with pre-fabricated connections by insulated flexible bars ⁽¹⁾ | | Linergy FC with pre-fabricated connections ⁽¹⁾ | | Linergy FC without pre-fabricated connections ⁽¹⁾ | |
| Number of poles | 3P | 4P | 3P | 4P | 3P | 4P |
| Connection to | Linergy LGY busbars | | Linergy LGY or Linergy LGYE busbars | | Linergy LGY or Linergy LGYE busbars | |
| Number of devices | 4 | 3 | 4 | 3 | 4 | 3 |
| Composition | Self-adhesive labels to mark the phases for connections to the busbars. | | | | | |
| Mounting plates | | | | | | |
| Toggle, Fixed, NSX100/250 | LVS03420 | LVS03420 | - | - | LVS03420 | LVS03420 |
| Toggle, Plug-in, NSX100/250 | - | - | LVS03423 | LVS03423 | LVS03423 | LVS03423 |
| Rotary handle, motor mechanism - plug-in, Fixed, NSX100/250 | - | - | LVS03422 | LVS03422 | LVS03422 | LVS03422 |
| Cat. no. | LVS04403 | LVS04404 | LVS04405 | LVS04406 | LVS04407 ⁽²⁾ | LVS04408 ⁽²⁾ |

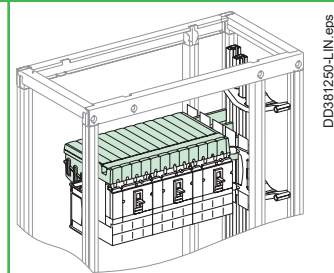
Implementation



Auxiliary wires running in the built-in trunking.



Phase marking on the front of the distribution block.



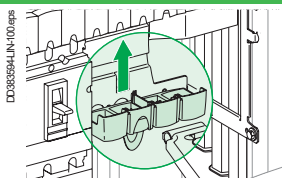

⁽¹⁾ The connection of a Linergy FC distribution block using pre-wired connectors or insulated flexible bars is not compatible with Form 2 partitioning (LVS04922). In this case, use the form 2 restoration kit (LVS04924).

⁽²⁾ For the connection, use insulated flexible bars, 32 x 8 mm cat. no. LVS04753; Each connection must not be longer than 500 mm. This size is validated with Schneider Electric insulated flexible bars.

Linergy FC

Feeders for ComPacT NSX and INS-INV up to 250 A

Device feeders

| Accessories | |
|---|---|
|  |  |
| | Tooth caps The caps block off the reserve terminals on a Linergy FC distribution block. Made of an insulating material, they simply clip on from the front. |
| Catalog numbers | LVS04809 |

Characteristics

| Common characteristics | | |
|--|--------|--|
| Rated operational current at 40° | (Ie) | Distribution-block derating follows the normal derating curves of ComPacT NSX and INS-INV. |
| Rated conditional short-circuit current of an assembly | (Isc) | The reinforced breaking capacity due to cascading in circuit breaker combinations is maintained. The worst-case situations have been tested. The electrical characteristics are perfectly compatible with the connected devices. Neither the temperature derating curves nor the performance levels of the circuit breakers and switch-disconnectors are altered. |
| Rated insulation voltage | (Ui) | 750 V AC |
| Rated operational voltage | (Ue) | 690 V AC |
| Rated impulse withstand voltage | (Uimp) | 8 kV |
| Rated peak withstand current | (Ipk) | 50 kA rms |
| Rated short-time current with upstream protection of 85 kA Icc | (Icc) | 85 kA |
| Thermal stress | (I².t) | 2.500 x 10 ⁷ |
| Rated conditional short-circuit current of an assembly | | Short-circuit withstand current compatible with the breaking capacity of the ComPacT NSX circuit breakers connected to the distribution block. |



Linergy FC selection table for special cases

For most installations, the temperature around the switchboard is 40 °C, corresponding to an average temperature of 60 °C inside the switchboard.

Under certain conditions, the temperature inside the switchboard may be different.

| (A) Rated operational current as a function of the temperature inside the switchboard | | | | | | | | |
|---|----|-----|-----|-----|-----|-----|-----|-----|
| Temperature (°C) | | 40 | 45 | 50 | 55 | 60 | 65 | 70 |
| I _{nc} (A) | 3P | 800 | 800 | 775 | 750 | 725 | 700 | 675 |
| | 4P | 675 | 675 | 655 | 635 | 615 | 595 | 570 |

To obtain the maximum permissible current for the linergy FC, apply the diversity factor K:

- Linergy FC 3P: K = 0.8
- Linergy FC 4P: RDF = 0.9.

Linergy FC

Feeders for ComPacT NSXm up to 160 A

Device feeders

IEC 61439-1 and 2

Description

Linergy FC is an insulated horizontal distribution block. It connects directly to the mounting plate and can supply:




- Four 4P and five 3P ComPacT NSXm circuit breakers (four 3P and 4P for ComPacT NSXm Vigi), whatever the ratings (63, 100 or 160 A) with toggle and direct rotary handle operating mechanism.
- The design and small size blend thoroughly with the devices.
- It can be supplied by Linergy LGYE and Linergy LGY busbars positioned to the left or right.
- Fully insulated, Linergy FC helps to protect life and property. Numerous and well distributed vents ensure natural convection and optimum cooling of the conductors.
- The circuit breakers can be easily connected from the front. It is simple to interchange a device or to add a device in a reserve slot.
- There are markings (N, L1, L2, L3) on the front and the sides for the phases.
- The running of auxiliary cables between the devices and the corresponding terminal blocks is also considered. Spacious trunking is built into the blocks for the auxiliary wiring.

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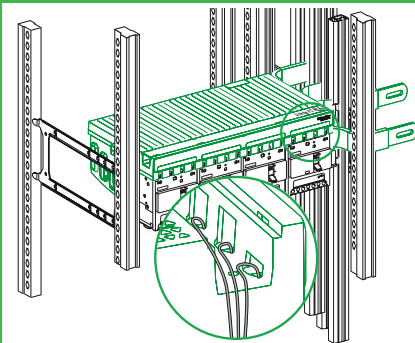


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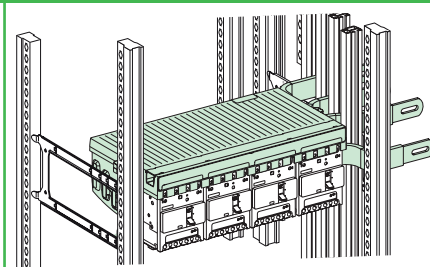
| | ComPacT NSXm - Toggle (with Everlink terminal) | | ComPacT NSXm - Toggle/ DRH (with Everlink terminal) | | | |
|-------------------|--|----------|---|----------|---|-------------------------|
| |  | |  | |  | |
| | Linergy FC with pre-fabricated connections by insulated flexible bars ⁽¹⁾ | | Linergy FC with pre-fabricated connections ⁽¹⁾ | | Linergy FC without pre-fabricated connections ⁽¹⁾ | |
| Number of poles | 3P | 4P | 3P | 4P | 3P | 4P |
| Connection to | Linergy LGY busbars | | Linergy LGYE busbars | | | |
| Number of devices | 5 ⁽²⁾ | 4 | 5 ⁽²⁾ | 4 | 5 ⁽²⁾ | 4 |
| Mounting plates | LVS03416 | LVS03416 | LVS03416 | LVS03416 | LVS03416 | LVS03416 |
| Cat. no. | LVS04410 | LVS04411 | LVS04412 | LVS04413 | LVS04419 ⁽³⁾ | LVS04420 ⁽³⁾ |
| | LVS04416 ⁽³⁾ | | LVS04417 | | LVS04418 ^{(3) (4)} | |

Implementation



Auxiliary wires running in the built-in trunking.

DD435612.eps



DD435613.eps

(1) The connection of a Linergy FC distribution block using pre-wired connectors or insulated flexible bars is not compatible with Form 2 partitioning (LVS04922). In this case, use the form 2 restoration kit (LVS04924).

(2) Linergy FC configuration having NSXm with Vigi can mount four devices in a row for both 3P and 4P.

(3) For the connection, use insulated flexible bars, 32 x 6 mm cat. no. LVS04752; Each connection must not be longer than 500 mm. This size is validated with Schneider Electric insulated flexible bars.

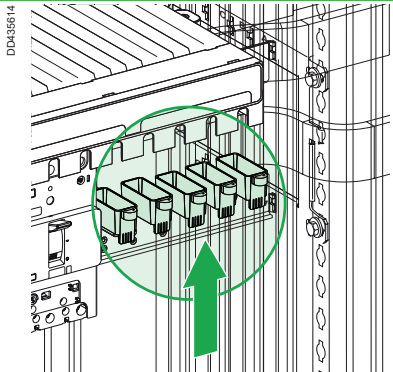
(4) The catalogue reference number is used only with NSXm Vigi.

Linergy FC

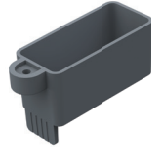
Feeders for ComPacT NSXm up to 160 A

Device feeders

Accessories



D0438614



D0438615

Tooth caps

The caps block off the reserve terminals on a Linergy FC distribution block. Made of an insulating material, they simply clip on and install the screw from the front.

Catalogue numbers

LVS04810

Characteristics

| Common characteristics | | |
|--|--------|--|
| Rated operational current at 40° | (Ie) | Distribution-block derating follows the normal derating curves of ComPacT NSXm. |
| Rated conditional short-circuit current of an assembly | (Isc) | The reinforced breaking capacity due to cascading in circuit breaker combinations is maintained. The worst-case situations have been tested. The electrical characteristics are perfectly compatible with the connected devices. Neither the temperature derating curves nor the performance levels of the circuit breakers and switch-disconnectors are altered. |
| Rated insulation voltage | (Ui) | 800 V AC |
| Rated operational voltage | (Ue) | 690 V AC |
| Rated impulse withstand voltage | (Uimp) | 8 kV |
| Rated peak withstand current | (Ipk) | 18 kA |
| Rated short-time current with upstream protection of 85 kA Icc | (Icc) | 50 kA |
| Thermal stress | (I².t) | 4.5 x 10⁶ A²S |
| Rated conditional short-circuit current of an assembly | | Short-circuit withstand current compatible with the breaking capacity of the ComPacT NSXm circuit breakers connected to the distribution block. |



Linergy FC selection table for special cases

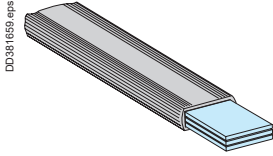
For most installations, the temperature around the switchboard is 40 °C, corresponding to an average temperature of 60 °C inside the switchboard.

Under certain conditions, the temperature inside the switchboard may be different.

| (A) Rated operational current as a function of the temperature inside the switchboard | | | | | |
|---|----|-----|-----|-----|-----|
| Ambient Air Temperature outside panel (°C) | | 35 | 40 | 45 | 50 |
| IP31 (A) | 3P | 600 | 575 | 550 | 525 |
| | 4P | 500 | 480 | 460 | 440 |
| IP55 (A) | 3P | 515 | 500 | 475 | 450 |
| | 4P | 460 | 440 | 420 | 400 |

Insulated flexible bars

Secondary distribution



The insulated flexible bars are tested in a type-tested switchboard environment. Their design takes into account the switchboard architecture where they are often in close proximity to a protection device (circuit breaker or fuse) with significant heat losses.

The sizes for the flexible bars indicated below take into account the heat losses of Schneider Electric devices in a PrismaSeT switchboard.

Characteristics

| | |
|---|---------|
| Length | 1800 mm |
| Rated insulation voltage (Ui) | 1000 V |
| Maximum withstand temperature for the insulating material | 125 °C |

Connection between device and busbars

The flexible bars are determined taking into account the connected device, whatever the internal temperature of the switchboard.

The bar sizes indicated below take into account the derating curves of devices.

| Devices | Size (mm) | Catalog number |
|------------------|--------------------------|----------------|
| NSX100 | 20 x 2 | LVS04742 |
| NSX160/250 | 20 x 3 | LVS04743 |
| NSX400 | 32 x 5 | LVS04751 |
| NSX630 | 32 x 8 | LVS04753 |
| NSX100 ELCB | 20 x 2 | LVS04742 |
| NSX160/250 ELCB | 20 x 3 | LVS04743 |
| NSX400 ELCB | 32 x 5 | LVS04751 |
| NSX630 ELCB | 32 x 8 | LVS04753 |
| INS-INV125/160 | 20 x 2 | LVS04742 |
| INS-INV250 | 20 x 3 | LVS04743 |
| INS-INV400 | 32 x 5 | LVS04751 |
| INS-INV630 | 32 x 6 | LVS04752 |
| FM 200 A Linergy | 20 x 3 | LVS04743 |
| FC 3P Linergy | 32 x 8 ⁽¹⁾⁽²⁾ | LVS04753 |
| FC 4P Linergy | 32 x 8 ⁽¹⁾⁽²⁾ | LVS04753 |
| Fupact 250 | 24 x 5 | LVS04746 |
| Fupact 400 | 32 x 5 | LVS04751 |
| Fupact 630 | 32 x 8 | LVS04753 |

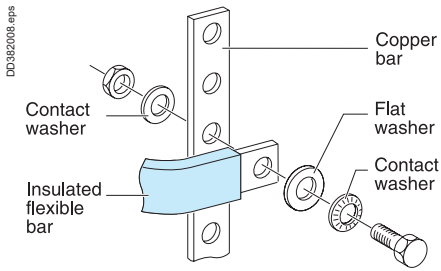
(1) In case of use of 32 x 6 insulated flexible bar, please contact Schneider Electric.

(2) Max length 500 mm per connection.

The references **87646** (3P) and **87647** (4P) can be used up to 250 A, when binding of insulated flexible bars, to withstand Icw.

Note : For NSXm connection, there is no flat insulated flexible bar available. Choose a cable prefabricated connection > page D-55.

Secondary distribution



Connection between busbars

Copper flexible bars are designed for connections between busbars taking into account the following characteristics:

- A maximum temperature of 60 °C inside the switchboard. This corresponds to the average temperature inside a switchboard for an ambient temperature of 35 °C.
- The maximum withstand temperature for the insulating material is 125 °C.

| le ⁽¹⁾ max | Size (mm) | Catalog numbers |
|-----------------------|-----------|-----------------|
| 200 A | 20 x 2 | LVS04742 |
| 250 A | 20 x 3 | LVS04743 |
| 400 A | 24 x 5 | LVS04746 |
| 520 A | 32 x 5 | LVS04751 |
| 580 A | 32 x 6 | LVS04752 |
| 660 A | 32 x 8 | LVS04753 |

(1) Rated operational current.

Designing connections

> page D-92.

Linergy DX

Quick distribution blocks

Distribution blocks



IEC 60947-7-1, IEC 61439-2

Description

- Downstream circuits are connected from the front, to spring terminals.
- Contact pressure automatically adapts to the size of the conductor.
- Contacts are insensitive to vibrations and thermal variations.
- Only one cable (flexible or rigid) can be inserted per terminal.



Quick distribution blocks

| Number of poles | 4P, upstream incoming | 4P, downstream incoming |
|--|--|---|
| |  |  |
| Rated operational current at 40° (Ie) | 63 A | 63 A |
| Rated conditional short-circuit current of an assembly (Isc) | The reinforced breaking capacity due to cascading in circuit breaker combinations is maintained. The worst-case situations have been tested. 150 kA with upstream protection of 150 kA Icc | |
| Rated peak withstand current (Ipk) | 10 kA | 10 kA |
| Rated insulation voltage (Ui) | 500 V AC | 500 V AC |
| Rated operational voltage (Ue) | 440 V AC | 440 V AC |
| Rated impulse withstand voltage (Uimp) | 6 kV | 6 kV |
| Rated short-time current (Icc) | 150 kA | 150 kA |
| Thermal stress (I².t) | 9.03 x 10⁶ | 9.03 x 10⁶ |
| Rated operational frequency | 50/60 Hz | 50/60 Hz |
| Degree of protection | IPxxB | IPxxB |
| Incoming terminals | 1 tunnel terminal 25²/phase | 1 tunnel terminal 25²/phase |
| Total connection capacity, outgoing terminals | 24 connections: 4 x 6²/phase 12 x 6²/neutre | 24 connections: 4 x 6²/phase 12 x 6²/neutre |
| Dimensions (H x W x D) | 96.5 x 72 x 62 8 x 9 mm pitch | 96.5 x 72 x 62 8 x 9 mm pitch |
| Installation | Clipped onto a DIN rail | Clipped onto a DIN rail |
| Others | | |
| Standard for installation inside PrismaSeT | IEC 61439-2 | IEC 61439-2 |
| Glow-wire 60695-2-11 | 960 °C | 960 °C |
| Degree of pollution | 3 | 3 |
| Catalog numbers | LVS04040 | LVS04041 |

Accessories

| | | |
|-----------------|---|---|
| Catalog numbers | – | – |
|-----------------|---|---|




Linergy DX

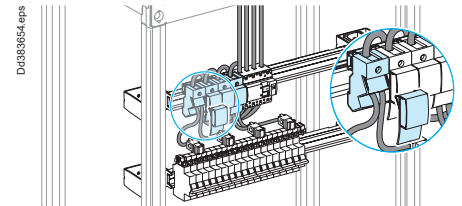
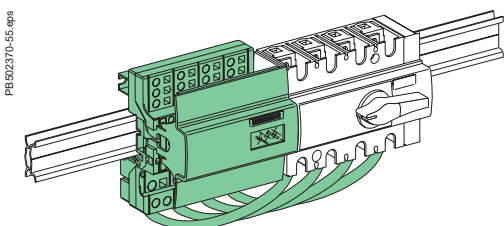
Quick distribution blocks

Distribution blocks

Advantages

- A reliable electrical connection, no maintenance required (tightness guaranteed over time).
- Quick connection.
- Easy phase balancing.
- Ease of rewiring if the switchboard is expanded or modified.

| 4P | | 1P | |
|--|--|---|--|
|  |  |  | |
| 125 A | 160 A | 160 A | |
| The reinforced breaking capacity due to cascading in circuit breaker combinations is maintained. The worst-case situations have been tested. 150 kA with upstream protection of 150 kA Icc | | | |
| 20 kA | 20 kA | 24 kA | |
| 750 V AC | 750 V AC | 750 V AC | |
| 690 V AC | 690 V AC | 690 V AC | |
| 8 kV | 8 kV | 8 kV | |
| 150 kA | 150 kA | 150 kA | |
| 2.025 x 10 ⁷ | 2.025 x 10 ⁷ | 3.025 x 10 ⁷ | |
| 50/60 Hz | 50/60 Hz | 50/60 Hz | |
| IPxxB | IPxxB | IPxxB | |
| 1 tunnel terminal 35 ² /phase | Supplied with a prefabricated flexible connection equipped with tunnel terminals (for INS-INV100/160 use adaptor 28947 (3P) 28948 (4P)) | 1 tunnel terminal 70 ² /phase | |
| 52 connections: 7 x 4 ² /phase 3 x 6 ² /phase 2 x 10 ² /phase 1 x 16 ² /phase (screw terminal) | 52 connections: 7 x 4 ² /phase 3 x 6 ² /phase 2 x 10 ² /phase 1 x 16 ² /phase (screw terminal) | 6 connections: 6 x 16 ² /phase | |
| 127 x 108 x 48 12 x 9 mm pitch | 127 x 108 x 48 12 x 9 mm pitch | 95 x 36 x 70 4 x 9 mm pitch | |
| Screwed to plain or slotted backplate or onto DIN rail | Screwed to plain or slotted backplate or onto DIN rail | Onto DIN rail | |
| Possible to combine 2 terminal blocks (2 nd terminal block supplied from enclosed terminals in the 1 st , I _{max} of 2 nd terminal block: 80 A) | | | |
| IEC 61439-2 | IEC 61439-2 | IEC 61439-2 | |
| 960 °C | 960 °C | 960 °C | |
| 3 | 3 | 3 | |
| LVS04045 | LVS04046 ⁽¹⁾ | LVS04031 | |
| 4 x 125 A flexible connections, L = 240 mm with 1 end fitting for tunnel terminals. | | 4 x 160 A flexible connections, L = 380 mm with 2 x 45 mm ² end fittings for tunnel terminals. | |
| LVS04047 ⁽¹⁾ | – | LVS04149 | |



Note: Electrical characteristics > page D-111.

(1) To be adapted with reference **28947** and **28948** fir INS-INV160.

Version : 19.0 - 04/06/2026
INAR4200

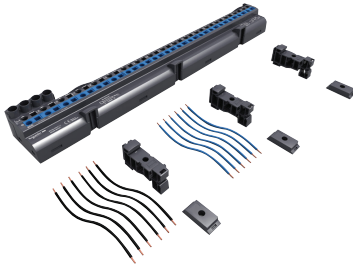


Linergy FM

Quick device feeders

Device feeders



PB104505-50.eps



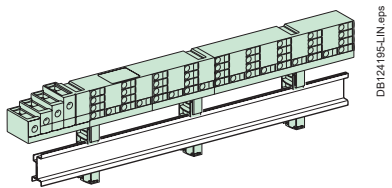
IEC60947-7-1, IEC61439-1 and 2 Description

- Distribution over full rows of modular devices.
- The distribution block is generally supplied by busbars in enclosures and cubicles.
- Easy phase balancing.
- Mix of devices and functions in the same row.
- Installation ≥ 160 A: clipped onto the back of a modular rail or screwed onto a solid or pre-slotted plate.

Distribution blocks

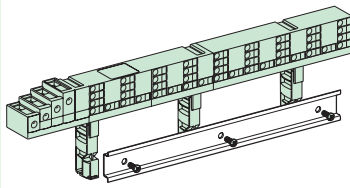
| Number of poles | 4P | 4P |
|---|--|---|
| |  |  |
| | 63 A | 80 A |
| Rated peak withstand current (I _{pk}) | 12 kA | 13 kA |
| Rated conditional short-circuit current of an assembly (I _{sc}) | The cascading reinforced breaking capacity when combining circuit breakers is maintained. The worst-case scenarios have been tested. The characteristics are exactly right for the connected devices. Circuit breakers and switches still have their temperature derating curves, and their whole performance is maintained. | |
| Rated insulation voltage (U _i) | 500 V AC | 500 V AC |
| Rated voltage (U _e) | 440 V AC | 440 V AC |
| Rated impulse withstand voltage (U _{imp}) | 6 kV | 8 kV |
| Maximum current (I _{max}) | – | – |
| Rated operational frequency | 50/60 Hz | 50/60 Hz |
| Degree of protection | IPxxB | IPxxB |
| Supply at incoming terminals | Enclosed terminals for cables up to 25 mm ² | Enclosed terminals for cables up to 25 mm ² |
| Total connection capacity at outgoing terminals | Spring terminals for rigid or flexible cables: 4 for each phase (2 x 1 to 4 mm ² + 2 x 1 to 6 mm ²) 8 for the neutral (4 x 1 to 4 mm ² + 4 x 1 to 6 mm ²) | Spring terminals for rigid or flexible cables: 9 for each phase (2 x 6 mm ² + 7 x 4 mm ²) 17 for the neutral (4 x 6 mm ² + 13 x 4 mm ²) |
| Width | 24 9-mm pitches 12 18-mm modules | 48 9-mm pitches 24 18-mm modules |
| Composition | Stripped copper connections (L=100 mm) 10 x 4 mm ² + 6 x 6 mm ² | Stripped copper connections (L=105 mm) 6 mm ² (6 black) 4 mm ² (20 black) |
| Catalog numbers | LVS04008 | LVS04004 |

Installation



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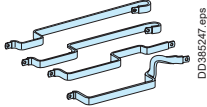
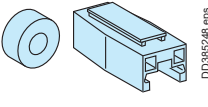
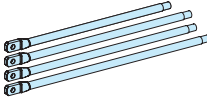
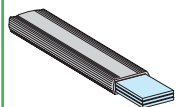
Clipped onto the back of a modular rail, or screw fixing.



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Clipped onto the back of a modular rail, or screw fixing.

Connections to the device feeders





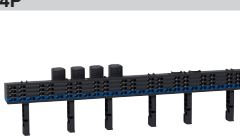
| | | | | |
|--------------------------|---|---|---|--|
| |  |  |  |  |
| | 4P 200 A connection (supplied with fixing accessories) | 4P 200 A connection (supplied with fixing accessories) | 4P 160 A connection for Linergy FM 1/2 row | 200 A connection (20 x 3) for Linergy FM |
| Allows power supply from | Multi-stage Linergy BS busbar | Rear Linergy BS busbar | Device | Device |
| Catalog numbers | LVS04024 | LVS04029 | LVS04030 | LVS04743 |

Linergy FM

Quick device feeders

Device feeders



| | | | | |
|--|---|---|--|---|
|  |  |  |  |  |
| 160 A 20 kA | 200 A 20 kA | 200 A 20 kA | 200 A 20 kA | 200 A 20 kA |
| The cascading reinforced breaking capacity when combining circuit breakers is maintained. The worst-case scenarios have been tested. The characteristics are exactly right for the connected devices. Circuit breakers and switches still have their temperature derating curves, and their whole performance is maintained. | | | | |
| 750 V AC | 750 V AC | 750 V AC | 750 V AC | |
| 690 V AC | 690 V AC | 690 V AC | 690 V AC | |
| 8 kV | 8 kV | 8 kV | 8 kV | |
| 50 A for feeder for 10 mm ² cable/63 A for feeder for two 10 mm ² cables | | | | |
| 50/60 Hz | | | | |
| IPxxB | | | | |
| Direct onto the row by cable 70 mm ² with crimped lug, or flexible bar 20 x 3 from busbar with prefabricated connection. | | | | |
| 6 connection points for each phase 9 connection points for the neutral | 12 connection points for each phase 18 connection points for the neutral | | 18 connection points for each phase 27 connection points for the neutral | |
| 24 9-mm pitches 12 18-mm modules | 48 9-mm pitches 24 18-mm modules | | 72 9-mm pitches 36 18-mm modules | |
| 2 sachets with 12 stripped copper connections 10 mm ² (L=100 mm) Protective covers for power supply rows (IPxxB) Fixing accessories for power supply rows | | | | |
| LVS04018 ⁽¹⁾ | LVS04012 ^{(1) (2)} | LVS04013 ⁽¹⁾ | LVS04014 ^{(1) (2)} | LVS04026 ⁽¹⁾ |



Spare parts

| | |
|---|---|
|  | |
| Catalog numbers | 4 covers for 160/200 A Linergy FM rows LVS01202 |

Note: Electrical characteristics > page D-111.

- (1) Cable to be used without ferrules.
- (2) The Linergy FM 200 (**LVS04012** and **LVS04014**) can be used with direct current. The upstream and downstream terminal type (⊕ and ⊖) must be marked on the device. For more information, please contact our customer services.

Linergy DS

Screw distribution blocks

Distribution blocks



IEC/EN 60947-7-1, IEC/EN 61439-1 & 2





Description

- Single-pole or four-pole distribution block that can be installed on a standard DIN rail or on a mounting plate.
- Compatible with PrismaSeT G and PrismaSeT P, Pragma, Mini Pragma and Resbo series switchboards.
- Incomers and feeders are connected to screw terminals that accept rigid or flexible cables with ferrule.
- Optional: additional neutral terminal strip for four-pole distribution block.

Avantages

- Simplified power supply for main incomers.
- Easy phase balancing.
- Easy, effortless cabling due to excellent accessibility.
- Visible cabling.
- Insulation between phases.
- The single-pole distribution blocks are adjacent and bridgeable via the second incoming hole for parallel connection.

Screw distribution blocks

| Number of poles | | 1P | | | 4P |
|--|------------------------|--|--|--|--|
| | |  |  |  |  |
| Rating | | 125 A | 160 A | 250 A | 100 A |
| Total connection capacity | | 10 | 13 | 14 | 4 x 7 |
| Terminal capacity | | | | | |
| Diameter | | 2 x Ø9.5 mm | 2 x Ø12 mm | 1 x Ø15.3 mm | 2 x Ø7.5 mm |
| | | 2 x Ø7.5 mm | 3 x Ø7.5 mm | 1 x Ø10 mm | 5 x Ø5.5 mm |
| | | 6 x Ø5.8 mm | 8 x Ø5.8 mm | 4 x Ø6 mm | – |
| | | – | – | 8 x Ø7.5 mm | – |
| Rated peak withstand current (I _{pk}) | I _{pk} /60 ms | 25 kA | 36 kA | 60 kA | 14 kA |
| | I _{pk} /6 ms | – | – | – | 24 kA |
| Rated short-time withstand current (I _{cc}) (IEC/EN 60947-7-1) | | 36 kA | 36 kA | 36 kA | 20 kA |
| Width (number of 9 mm pitches) | | 3 | 4 | 5 | 8 |
| Dimensions (H x W x D) | | 85 x 27 x 50.5 | 85 x 36 x 50.5 | 85 x 45 x 50.5 | 100 x 71 x 50.5 |
| Weight (g) | | 125 | 163 | 239 | 210 |
| Neutral terminal strip (optional) | | – | – | – | LGYN1007 |
| Catalog numbers | | LGY112510 | LGY116013 | LGY125014 | LGY410028 |

LinerGY DS

Screw distribution blocks

Distribution blocks

Technical data

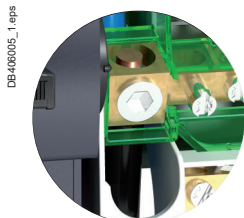
Common characteristics

In compliance with IEC/EN 60947-7-1 and IEC/EN 61439-1 & 2

| | |
|--|---|
| Rated insulation voltage (Ui) | 500 V AC |
| Rated operational voltage (Ue) | 230 V AC (L/N) 440 V AC (L/L) |
| Rated impulse withstand voltage (Uimp) | 8 kV |
| Rated conditional short-circuit current of an assembly | Up to the breaking capacity of Schneider Electric feeder circuit breakers, even in cascading configuration. |
| Network frequency | 50/60 Hz |
| Degree of pollution | 3 |
| Overtoltage category | III |

Additional technical characteristics

| | |
|---------------------------------------|-----------------|
| Reference temperature | 40 °C |
| Operating temperature | -25 °C to 55 °C |
| Dielectric withstand (IEC/EN 60947-1) | 2500 V AC |



On LGY412560 and LGY416048 references.
Input cabling facilitated by side terminals.



| | | | Neutral terminal strip | | |
|------------------|------------------|------------------|------------------------|---------------|---------------|
| | | | | | |
| 125 A | 160 A | 100 A | 125 A | | |
| 4 x 12 | 4 x 15 | 4 x 12 | 7 | 12 | 15 |
| 1 x Ø9 mm | 1 x Ø9.5 mm | 1 x Ø12 mm | 2 x Ø7.5 mm | 1 x Ø9 mm | 1 x Ø9.5 mm |
| 7 x Ø7.5 mm | 3 x Ø8.5 mm | 3 x Ø9 mm | 5 x Ø5.5 mm | 7 x Ø7.5 mm | 3 x Ø8.5 mm |
| 4 x Ø6.5 mm | 11 x Ø6.5 mm | 8 x Ø7.5 mm | – | 4 x Ø6.5 mm | 11 x Ø6.5 mm |
| – | – | – | – | – | – |
| 18 kA | 18 kA | 22 kA | – | – | – |
| 26 kA | 28 kA | 36 kA | – | – | – |
| 36 kA | 36 kA | 36 kA | – | – | – |
| 14 | 20 | 18 | 7 | 14 | 17 |
| 100 x 126 x 50.5 | 100 x 162 x 50.5 | 100 x 174 x 50.5 | 20 x 70 x 35 | 20 x 125 x 35 | 20 x 155 x 35 |
| 390 | 559 | 567 | 63 | 111 | 149 |
| LGYN12512 | LGYN12515 | LGYN12512 | – | – | – |
| LGY412548 | LGY412560 | LGY416048 | LGYN1007 | LGYN12512 | LGYN12515 |

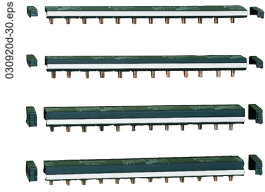
Terminal technical data

| Type | PZ2 screw | | | | | | | |
|--|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------------|--------------------------|--------------------------|
| Diameter | Ø5.5 mm | Ø5.8 mm | Ø6 mm | Ø6.5 mm | Ø7.5 mm | Ø8.5 mm | Ø9 mm | Ø9.5 mm |
| Section rigid cable | 1.5 to 16 mm ² | 1.5 to 16 mm ² | 1.5 to 16 mm ² | 1.5 to 16 mm ² | 2.5 to 25 mm ² | 6 to 35 mm ² | 10 to 35 mm ² | 10 to 35 mm ² |
| Section flexible cable or with ferrule | 1.5 to 10 mm ² | 1.5 to 10 mm ² | 1.5 to 10 mm ² | 1.5 to 10 mm ² | 1.5 to 16 mm ² | 4 to 25 mm ² | 4 to 25 mm ² | 6 to 35 mm ² |
| Tightening torque | 2 N.m | 2 N.m | 2 N.m | 2 N.m | 2 N.m | 2 N.m | 2.5 N.m | 2.5 N.m |
| Type | HC screw | | | | | | | |
| Diameter | Ø9.5 mm | Ø10 mm | Ø12 mm | | Ø15.3 mm | | | |
| Section rigid cable | 10 to 35 mm ² | 1.5 to 50 mm ² | 25 to 70 mm ² | | 35 to 120 mm ² | | | |
| | | | | | | | | |
| Section flexible cable or with ferrule | 6 to 35 mm ² | 1.5 to 35 mm ² | 16 to 50 mm ² | | 25 to 95 mm ² | | | |
| Tightening torque | 8 N.m | 4 N.m | 1P: 9 N.m | 4P: 5 N.m | 14 N.m | | | |

Linergy FH

Comb busbar for 27 mm pitch for C120, NG125

Device feeders



IEC 60664-1

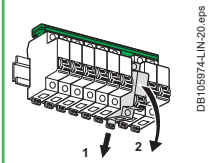
Description

Comb busbars make it easier to install C120 and NG125 circuit breaker.

- Supplied with 2 lateral end-caps, to reinforce copper bars insulating (IP2).
- Allowing circuit identification.
- Easy cut to length thanks to cutting marks on the insulating material and copper bars.

| C120, NG125 | | 27 mm poles, cuttable | | | |
|--|--|-----------------------|--------------|--------------|--|
| Number of poles | 1P | 2P | 3P | 4P | |
| | | | | | |
| | Each com busbar reference includes: <ul style="list-style-type: none"> ■ 1 x single or 2 pole comb busbar + 8 tooth-caps + 2 side plates ■ 1 x 3 or 4 pole comb busbar + 4 tooth-caps + 2 side plates To insulate teeth that have been left free can be insulated by tooth-caps. | | | | |
| Rated operational current to 40 °C (Ie) | 125 A (63 A max by outgoer) | | | | |
| Rated conditional short-circuit current of an assembly (Isc) | Compatible with the breaking capacity of C120 and NG125 circuit breakers | | | | |
| Rated insulation voltage (Ui) | 620 V AC | | | | |
| Rated voltage (Ue) | 500 V AC | | | | |
| Degree of pollution | 3 | | | | |
| Fire resistance to IEC 695-2-1 | Self-extinguishing 960 °C, 30 s | | | | |
| Colour | RAL 7016 (anthracite grey) | | | | |
| Use | | | | | |
| | Power supply by connector recommended | | | | |
| Number of 27 mm modules | 16 | 16 | 15 | 16 | |
| Set of | 1 | | | | |
| Catalog numbers | 14811 | 14812 | 14813 | 14814 | |

Installation

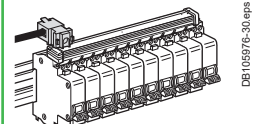
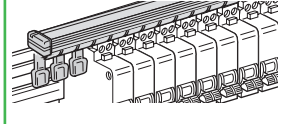


Comb busbars allow dismantability of switchgear.

Accessories

| Number of poles | 1P, 2P, 3P, 4P | |
|------------------------|-------------------|--|
| | | |
| | Tooth caps | Insulated connector |
| | | Compatible with all Schneider Electric comb busbars. Clip onto the comb busbar's insulating material, which gives them very great stability Receive clip-on markers allowing circuit identification. |
| Use | | |
| | | For 25 mm ² semi-rigid cable |
| Set of | 20 | 4 |
| Catalog numbers | 14818 | 14885 |

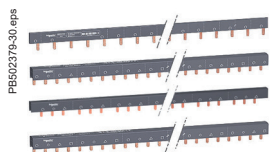
Installation



Linergy FH

Comb busbar for 18 mm pitch for Acti 9

Device feeders



IEC 60947-7-1, IEC 61439-2

Description

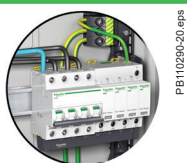
Comb busbars make it easier to install Acti 9 circuit breakers.

- Can be sawn and cut in a single pass, with a metal saw (the end-caps are compulsory after cutting).
- Supplied with two lateral end-caps to reinforce copper bars insulating (IP2) except for 57 module references. The side plates are compulsory after cutting.
- Easy cut to length thanks to cutting marks on the insulating material and copper bars.
- The phases are identified by symbols on each side of the comb busbar for installation in all positions.
- The special comb busbars for circuit breakers with 9 mm auxiliaries have a 9 mm gap for inserting iOF and iSD.

| Acti 9 | 18 mm poles, cuttable | | | | | | | | | | | |
|--|---|----------|-----------|------------|-------------------------|----------|------------|-----------|----------------------|-------------------------------------|-------------------------------------|--------------|
| | Number of poles | 1P | 2P | 3P | 4P | 3 (N+P) | Aux+1P | Aux+2P | Aux+3P | Aux+4P | 3 (Aux+1P) | 3 (Aux+N+1P) |
| | | | | | | | | | | | | |
| Rated operational current at 40 °C (Ie) | 100 A | | | | | | | | | | | |
| Rated conditional short-circuit current of an assembly (Isc) | Compatible with the breaking capacity of Acti 9 circuit breakers. | | | | | | | | | | | |
| Rated insulation voltage (Ui) | 500 V AC | | | | | | | | | | | |
| Rated voltage (Ue) | 415 V AC | | | | | | | | | | | |
| Degree of pollution | 3 | | | | | | | | | | | |
| Fire resistance to IEC 695-2-1 | Self-extinguishing 960 °C, 30 s | | | | | | | | | | | |
| Colour | RAL 7016 (anthracite grey) | | | | | | | | | | | |
| Use | | | | | | | | | | | | |
| | Power supply by connector recommended | | | | | | | | | | | |
| Type | L1... | L1L2... | L1L2L3... | NL1L2L3... | NL1NL2... ...NL3 | AuxL1... | AuxL1L2... | AuxL1L2L3 | AuxNL1... ...L2L3 | AuxL1... ...AuxL2... ...AuxL3 | AuxL1... ...AuxL2... ...AuxL3 | |
| Set of | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| Catalog numbers | | | | | | | | | | | | |
| 6 modules of 18 mm | A9XPH106 | - | - | - | - | - | - | - | - | - | - | - |
| 12 modules of 18 mm | A9XPH112 | A9XPH212 | A9XPH312 | A9XPH412 | A9XPH512 ⁽¹⁾ | - | - | - | - | - | - | - |
| 18 modules of 18 mm | - | - | - | - | A9XPH518 ⁽¹⁾ | - | - | - | - | - | - | - |
| 24 modules of 18 mm | A9XPH124 | A9XPH224 | A9XPH324 | A9XPH424 | A9XPH524 ⁽¹⁾ | - | - | - | - | - | - | - |
| 57 modules of 18 mm | A9XPH157 | A9XPH257 | A9XPH357 | A9XPH457 | A9XPH557 ⁽¹⁾ | A9XAH157 | A9XAH257 | A9XAH357 | A9XAH457 | A9XAH657 | A9XAH557 ⁽¹⁾ | |

(1) This comb busbar is only compatible in top feeding for simple lug devices and bottom feeding on double lug devices.

Installation



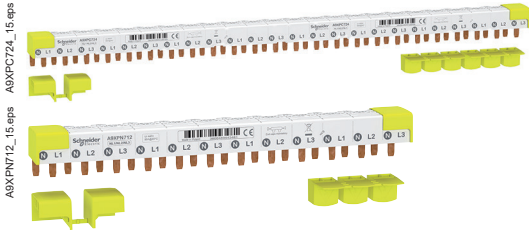
Accessories

| Number of poles | 1P | 2P | 3P | 4P | - | - | - | |
|-----------------|--|----------|----------|----------|--|----------|--|--|
| | | | | | | | | |
| | Side plates | | | | Tooth covers | | Connectors | |
| | Lateral end-caps providing IP20 protection | | | | To insulate teeth that have been left free | | Monoconnect Comb busbar power supply. Horizontal incomer on each side. For 35 mm ² cable. Tightening torque 4 N.m | |
| Set of | 10 | 10 | 10 | 10 | 20 | 4 | 4 | |
| Catalog numbers | A9XPE110 | A9XPE210 | A9XPE310 | A9XPE410 | A9XPT920 | A9XPCM04 | A9XPCD04 | |

Linergy FH

Horizontal comb busbar for 9 mm pitch for Acti 9, C60

Device feeders



IEC 61439-1

Description

Comb busbars ensure:

- Easy, reliable mounting of 1P+N and 3P+N, TL, CT, ID, V, BP and Cm switchgear: tooth positioning opposite the device terminals is ensured by indexing of copper parts.
- C60/ID Group Feeder comb busbars contain two different parts:
 - Connection of Group Feeder switchgear: C60 (3P+N) or ID (3P+N) circuit breaker in 18 mm modules, powered by cables, through the bottom, directly by the terminals.
 - Connection of Clario, Prodis and Libro switchgear in 9 mm modules.

| Acti 9 Ph+N | | 9 mm poles, cuttable | | | |
|--|-------------|---|----------|----------|----------|
| Number of poles | | 1P+N | | 3P+N | |
| | | | | | |
| | | Complete comb busbars (supplied with 4 side plates and 1 tooth cover) | | | |
| Rated operational current at 40°C (Ie) | | 80 A | | | |
| Rated conditional short-circuit current of an assembly (Isc) | | Compatible with the breaking capacity of Schneider Electric circuit breakers. | | | |
| Insulation voltage (Ui) | | 400 V AC (Ph/N) - 440 V AC (Ph/Ph) | | | |
| Rated voltage (Ue) | | 230 V AC (Ph/N) - 400 V AC (Ph/Ph) | | | |
| Rated impulse withstand voltage (Uimp) | | 6 kV | | | |
| Degree of protection | | IP20 | | | |
| Fire resistance to IEC 695-2-1 | | Self-extinguishing 960°C 30 s | | | |
| Color | | RAL 9003 | | | |
| Number of 18 mm modules | Comb busbar | 12 | 24 | 12 | 24 |
| | Tooth cover | 3 | 6 | 3 | 6 |
| References | | A9XPC612 | A9XPC624 | A9XPC712 | A9XPC724 |
| Comb busbars alone | | | | | |
| Number of 18 mm modules | Comb busbar | 48 | | 48 | |
| References | | A9XPC648 | | A9XPC748 | |

| C60/ID Group Feeder comb busbars alone | | | | | |
|--|--|---|-------------------|-------------------|--------------------|
| Number of poles | | 3P+N | | | |
| | | | | | |
| Rated operational current at 40°C (Ie) | | 80 A | | | |
| Rated conditional short-circuit current of an assembly (Isc) | | Compatible with the breaking capacity of Schneider Electric circuit breakers. | | | |
| Insulation voltage (Ui) | | 440 V | | | |
| Rated voltage (Ue) | | 230 V (P4 + N) - 400 V (3Ph + N) | | | |
| Rated impulse withstand voltage (Uimp) | | 6 kV | | | |
| Degree of protection | | IP20 | | | |
| Fire resistance to IEC 695-2-1 | | Self-extinguishing 960°C 30 s | | | |
| Color | | RAL 7035 | | | |
| Number of 18-mm modules | | 12 | 48 | 48 | 48 |
| Power supply | | Through left-hand | Through left-hand | Through left-hand | Through right-hand |
| References | | A9XPC812 | A9XPC848 | A9XPC848 | A9XPC948 |

| Accessories | | | | | |
|-----------------|--|-------------------|----------|---|-------------------|
| Number of poles | | 1P+N | 3P+N | | |
| | | | | | |
| | | End-pieces | | Tooth covers (3 x 18 mm modules) | Connectors |
| Set of | | 40 | 40 | 12 | 4 |
| References | | A9X21094 | A9X21095 | A9X21096 | A9XPCM04 |

Linergy FH

Horizontal comb busbar for 9 mm pitch for Acti 9

Device feeders

IEC 61439-1

Description

- Connection of Clario, Prodis and Libro switchgear in 9 mm modules.
- The special comb busbars for circuit breaker have a gap of 9 mm for inserting OF, SD, OF-SD/OF auxiliaries.
- The comb busbars for 3P+N circuit breakers and auxiliaries are compatible with PrismaSeT switchboard.
- 1P+N comb busbars with PrismaSeT and Pragma 24.

ABXPA648.eps

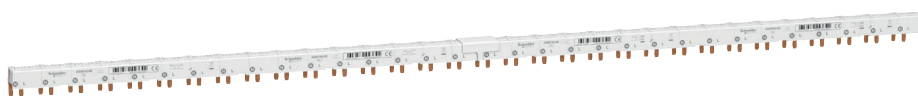


ABXPV648.eps



| Acti 9 | 9 mm poles, cuttable | | | |
|-----------------|----------------------|------|------|------|
| Number of poles | 1P+N | 3P+N | 1P+N | 3P+N |





ABXPA648.eps



| | Comb busbars | Comb busbars DPN Vigi | | |
|--|---|-----------------------|----------|----------|
| Rated operational current at 40°C (Ie) | 80 A | | | |
| Rated conditional short-circuit current of an assembly (Isc) | Compatible with the breaking capacity of Schneider Electric circuit breakers. | | | |
| Insulation voltage (Ui) | 400 V AC (Ph/N) - 440 V AC (Ph/Ph) | | | |
| Rated voltage (Ue) | 230 V AC (Ph/N) - 400 V AC (Ph/Ph) | | | |
| Degree of protection | IP20 | | | |
| Fire resistance to IEC 695-2-1 | Self-extinguishing 960°C 30 s | | | |
| Color | RAL 9003 | | | |
| Number of 18-mm modules | 48 | 48 | 48 | 48 |
| References | A9XPA648 | A9XPA748 | A9XPV648 | A9XPV748 |



Accessories

| Number of poles | 1P+N | 3P+N | | |
|-----------------|---|---|--|---|
| |  |  |  |  |
| | End-pieces | | Tooth covers (3 x 18 mm modules) | Connectors |
| Set of | 40 | 40 | 12 | 4 |
| References | A9X21094 | A9X21095 | A9X21096 | A9XPCM04 |

Linergy FH

Horizontal comb busbar for 18 mm pitch for Domae

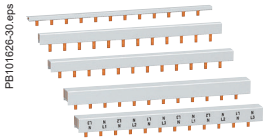
Device feeders

IEC 61439-1, IEC 60664

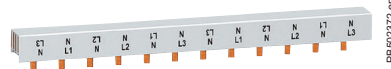
Description

Comb busbars:

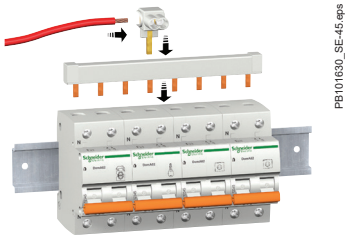
- Comb busbars ensure: Easy, reliable mounting of 1P+N and 3P+N, TL, CT, ID, V, BP and Cm switchgear: tooth positioning opposite the device terminals is ensured by indexing of copper parts.
- Can be sawn and cut in a single pass, with a metal saw (the end-caps are compulsory after cutting).
- Are supplied with 2 (IP20) lateral end-caps (mandatory).
- Teeth that have been left free can be insulated by tooth-caps.



| Domae | | 18 mm poles, cuttable | | | | | | | | | | |
|--|-----|---|-----------|-----------|-----------|-----------|-----------|----|----|----|----|------------|
| Number of poles | | 1P | | | 2P | | | 3P | | 4P | | 3P (N + P) |
| Rated operational current to 40 °C (Ie) | | 63 A | | | | | | | | | | |
| Rated conditional short-circuit current of an assembly (Isc) | | Compatible with the breaking capacity of circuit breakers. | | | | | | | | | | |
| Rated insulation voltage (Ui) | | 500 V AC | | | | | | | | | | |
| Rated voltage (Ue) | L/N | 230 V AC | | | | | | | | | | |
| | L/L | 400 V AC | | | | | | | | | | |
| Degree of pollution | | 3 | | | | | | | | | | |
| Fire resistance to IEC 695-2-1 | | Auto-extinguible to 850 °C 30 secondes | | | | | | | | | | |
| Colour | | RAL 7035 | | | | | | | | | | |
| Power supply | | By 16 mm ² semi-rigid cables or 10 mm ² flexible cables | | | | | | | | | | |
| | | By connector | | | | | | | | | | |
| Number of 18 mm modules | | 12 | 57 | 12 | 57 | 12 | 57 | 12 | 57 | 12 | 57 | 57 |
| Catalog numbers | | EZ9XPH112 | EZ9XPH157 | EZ9XPH212 | EZ9XPH257 | EZ9XPH312 | EZ9XPH357 | - | - | - | - | - |

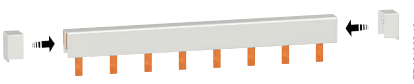


Installation



Accessories

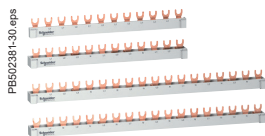
| Type | Connectors (4 x 35 mm ²) | Side plates (2 phases) | Side plates (3 phases) | Side plates (4 phases) | Tooth caps |
|-----------------|--------------------------------------|------------------------|------------------------|------------------------|------------|
| Set of | 1 | 10 | 10 | 10 | 10 |
| Catalog numbers | EZ9XPC04 | EZ9XPE210 | EZ9XPE310 | - | - |



Linergy FH

Horizontal biconnect comb busbar for 18 mm pitch

Device feeders



IEC 60664-1

Description

- Distribution and sub-distribution of the electric power supply.
- Fast assembly and disassembly of connected devices.

| Comb horizontal bi-connection | | 18 mm poles, cuttable | | | | | | | | | | | |
|---|--|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
| Number of poles | 1P | | | 2P | | | 3P | | | 4P | | | |
| Rated operational current to 40 °C (Ie) | 63 A | | | | | | | | | | | | |
| Rated conditional short-circuit current of an assembly (Isc) | Compatible with the breaking capacity of circuit breakers. | | | | | | | | | | | | |
| Rated insulation voltage (Ui) | 500 V AC | | | | | | | | | | | | |
| Rated voltage (Ue) L/N | 230 V AC | | | | | | | | | | | | |
| | L/L 400 V AC | | | | | | | | | | | | |
| Degree of pollution | 3 | | | | | | | | | | | | |
| Fire resistance to IEC 695-2-1 | Self-extinguishing 960 °C, 30 s | | | | | | | | | | | | |
| Colour | RAL 7035 (grey) | | | | | | | | | | | | |
| Use | | | | | | | | | | | | | |
| Power supply: directly on terminal (25 mm ² rigid or 16 mm ² flexible) or by connector (35 mm ² rigid or 25 mm ² flexible with ferrule) | | | | | | | | | | | | | |
| Type | L1 | | | L1L2 | | | L1L2L3 | | | L1L2L3L4 | | | |
| Number of 18 mm modules | 12 | 18 | 57 | 12 | 18 | 57 | 12 | 18 | 57 | 12 | 18 | 57 | |
| Set of | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| Catalog numbers | R9XFH112 | R9XFH118 | R9XFH157 | R9XFH212 | R9XFH218 | R9XFH257 | R9XFH312 | R9XFH318 | R9XFH357 | R9XFH412 | R9XFH418 | R9XFH457 | |

| Installation | |
|--------------|--|
| | |

| Comb busbars horizontal bi-connection | | 18 mm poles, cuttable | | | | | | | | | | | | |
|--|---|-----------------------|--|--|--|--|-----------|--|--|--|--|--|----------|--|
| Number of poles | 4P | | | | | | | | | | | | | |
| Rated operational current to 40 °C (Ie) | 63 A | | | | | | | | | | | | | |
| Rated conditional short-circuit current of an assembly (Isc) | Compatible with the breaking capacity of Schneider Electric circuit breakers. | | | | | | | | | | | | | |
| Rated insulation voltage (Ui) | 500 V AC | | | | | | | | | | | | | |
| Rated voltage (Ue) L/N | 230 V AC | | | | | | | | | | | | | |
| | L/L 400 V AC | | | | | | | | | | | | | |
| Degree of pollution | 3 | | | | | | | | | | | | | |
| Fire resistance to IEC 695-2-1 | Self-extinguishing 960 °C, 30 s | | | | | | | | | | | | | |
| Colour | RAL 7035 (grey) | | | | | | | | | | | | | |
| Use | | | | | | | | | | | | | | |
| Type | NL1L2L3L4 - NL1NL2NL3 | | | | | | NL1NL2NL3 | | | | | | | |
| Number of 18 mm modules | 18 | | | | | | 18 | | | | | | 57 | |
| Set of | 1 | | | | | | 1 | | | | | | 1 | |
| Catalog numbers | R9XFH518G | | | | | | R9XFH518 | | | | | | R9XFH557 | |

| Installation | |
|--------------|--|
| | |

| Accessories | | | | | | |
|-----------------|--------------------|---------|---------|-------------------|--------|--|
| Number of poles | 1P | 2P | 3P | 4P | | |
| | | | | | | |
| | Side plates | | | Tooth caps | | |
| Set of | 10 | | | 20 | | |
| Catalog numbers | R9XE110 | R9XE210 | R9XE310 | R9XE410 | R9XT20 | |

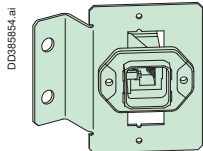
Linerger TA

Auxiliary connections

Terminal blocks and lines

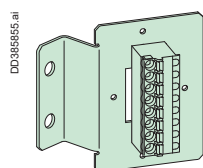
Connectors

For plug & play interconnection between electrical switchboard for control and communication wires.



RJ45 female-female connector with mounting plate

| | | |
|------------------------|----------------------------------|--------------|
| Connector type | 8 wires RJ45; 1 Gbps | |
| For ethernet cable | CAT5e SFTP (IEC 11801) or higher | |
| Degree of protection | IP67 for direct mount | |
| Dimensions (H x W x D) | (mm) | 75 x 70 x 45 |
| Catalog number | LGY4230 | |



8P male-female connector with mounting plate

| | | |
|------------------------------------|----------------------------|--------------|
| Rated operational current at 40 °C | (Ie) | 12 A |
| Rated operational voltage | (Ue) | 320 V |
| Rated impulse withstand voltage | (Uimp) | 4 kV |
| Connection method | Push-in spring connection | |
| Connection capacity | Input | 8 |
| | Output | 8 |
| Dimensions (H x W x D) | (mm) | 75 x 70 x 45 |
| Wire size | 0.2 to 2.5 mm ² | |
| Catalog number | LGY4231 | |

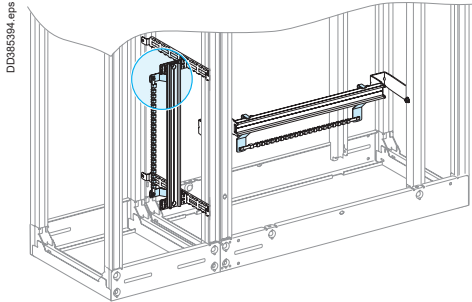


USB and RJ45 ports

| | | |
|------------------------|---|-------------------------------|
| Description | Panel-mounted USB and RJ45 ports in 22.5 mm hole with notch | |
| Interface type | USB interface, jack type A | Ethernet interface, RJ45 jack |
| Connection type | USB port 3.0 A-A | RJ45 port Cat. 6 |
| Others characteristics | IP20 IP65, IP67, IP69K with protection cover | |
| Catalog number | XB5PUSB3SP1 | XB5PRJ45SP1 |

Linerger TB
Earth bars

Terminal blocks and lines

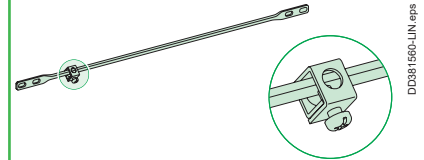


Description

This range of earth bars is installed:

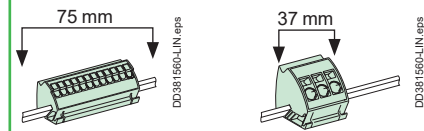
- In the duct which can constitute a dedicated area, completely separate from the equipment.
- Or in the switchgear compartment, at the top or the bottom.

Fast-connecting earth bar



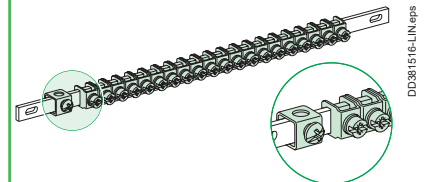
| | |
|--|---|
| | Copper earth bar |
| Cross-section (mm) | 12 x 3 |
| Effective length (mm) | 330 |
| Total length (mm) | 450 |
| Composition | Copper bar with 1 terminal 16 to 35 mm ² |
| Rated short time withstand current (Icw) | 9 kA rms/0.5 s |
| Catalog numbers | LVS04201 |

Accessories



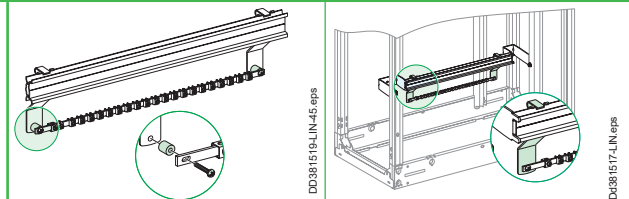
| | | |
|--|---|------------------------|
| | Earth blocks with terminals | |
| | Spring-fixing (clip onto the earth bar) | |
| Total connection capacity | 12 x 4 mm ² | 3 x 16 mm ² |
| Composition | 4 earth blocks | 4 earth blocks |
| Rated short time withstand current (Icw) | 1 kA rms/0.5 s | 4 kA rms/0.5 s |
| Catalog numbers | LVS04214 | LVS04215 |

Accessories



| | | |
|--|---|---|
| | Copper earth bar with jumper | |
| Total connection capacity | 40 x 2.5 to 16 mm ² | 20 x 2.5 to 16 mm ² |
| Cross-section (mm) | 12 x 3 | 12 x 3 |
| Length (mm) | 450 | 200 |
| Composition | 40 jumpers and a terminal (16 to 35 mm ²) | 20 jumpers and a terminal (16 to 35 mm ²) |
| Rated short time withstand current (Icw) | 9 kA rms/0.5 s | 9 kA rms/0.5 s |
| Catalog numbers | LVS04200 | LVS04202 |

Accessories



| | | |
|------------------------|--|--|
| | Neutral bar | Earth bar |
| | Converts an earth bar to a neutral bar | — |
| Composition | 2 insulating spacers | 2 supports for earth bar on modular rail |
| Catalog numbers | LVS04210 | LVS04205 |

Liner TB
PE conductors

Terminal blocks and lines

| PE conductors | | | | | | | | | |
|--------------------------------|---|--------------|----------|--|--|--|--|--|--|
| | | | | | | | | | |
| | Vertical PE conductor with Linergy LGY profile (W = 1670 mm) | | | Vertical PE conductor with Linergy BS busbar (W = 1675 mm) | | | Horizontal PE conductor with Linergy BS busbar | | |
| Rated short-time current (Isc) | ≤ 65 | > 65... ≤ 80 | = 100 | ≤ 40 | < 85 | ≤ 100 | ≤ 40 | < 85 | ≤ 100 |
| Permissible current (A) | 630 | 800 | 1250 | 400 | 600 | 800 | 400 | 600 | 800 |
| Bar size (mm) | – | – | – | 25 x 5 | 50 x 5 | 60 x 5 | 25 x 5 | 50 x 5 | 60 x 5 |
| Characteristics | – | – | – | Drilled flat bar Ø10.6 mm (one 10.6 mm hole every 25 mm along the entire length) | Drilled flat bar Ø10.6 mm (two 10.6 mm hole every 25 mm along the entire length) | Drilled flat bar Ø10.6 mm (two 10.6 mm hole every 25 mm along the entire length) | Drilled flat bar Ø10.6 mm (two 10.6 mm hole every 25 mm along the entire length) | Drilled flat bar Ø10.6 mm (two 10.6 mm hole every 25 mm along the entire length) | Drilled flat bar Ø10.6 mm (two 10.6 mm hole every 25 mm along the entire length) |
| Catalog numbers | LVS04502 | LVS04503 | LVS04505 | LVS04512 | LVS04515 | LVS04516 | LVS04512 | LVS04515 | LVS04516 |



| Support selection | | | |
|-------------------|---|---|-------------------------------------|
| Composition | Three supports for one vertical PE (supplied with PE marking) to secure to the framework. | Three supports for one vertical PE (supplied with PE marking) to secure to the framework. | Two supports for one horizontal PE. |
| Catalog numbers | LVS04657 | LVS04657 | LVS04667 |

| Connection between PE conductors | |
|----------------------------------|---|
| | |
| Composition | Connection plates for horizontal/vertical PE bars 2 copper angle brackets |
| Catalog numbers | LVS04672 |
| | |
| Composition | Liner TB connection hardware 20 M8 bolts (W = 25 mm) + 20 nuts + 20 contact washers for connection to cable lugs or flexible bars |
| Catalog numbers | LVS04766 |

| PEN conductors | | |
|-----------------|--|---|
| | | |
| | Liner TB PEN installation kit with LGY vertical profile | 1600 A connection 10 mm horizontal busbar with Linergy LGY profile |
| Catalog numbers | LVS04656 ⁽¹⁾ | LVS04636 |
| | | Liner TB LGYE vertical connection 1600 A |
| Catalog numbers | | LVS04602 |

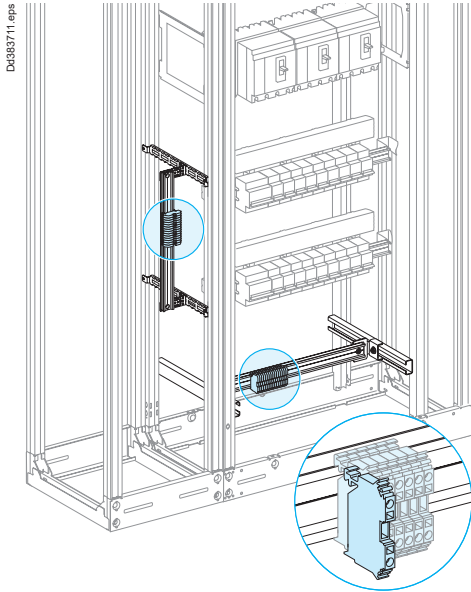
(1) For LGYE HBB, additional fish plate need to be manufactured as per the drawing supplied by Schneider Electric.

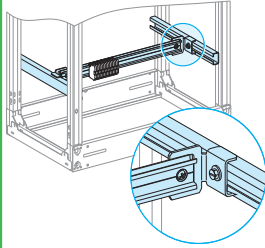
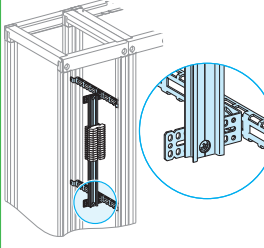
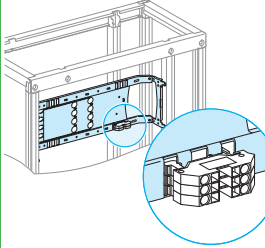
Linergy TB terminal block support

Secondary distribution

Introduction

In PrismaSeT P cubicles, terminal blocks are commonly installed in a lateral compartment, generally 300 or 400 mm wide. They may also be installed at the top or bottom of the cubicle.



| | Installation at top or bottom of a cubicle | Installation in a lateral compartment | Installation on a device mounting plate |
|---|---|---|--|
| |  |  |  |
| Modular rail, depth adjustable (W = 432 mm) | LVS03402 | – | – |
| 2 modular rails W = 1600 mm | LVS04226 | LVS04226 | – |
| 2 universal angle brackets | LVS03581 | LVS03581 | – |
| Set of two lateral cross-members W = 400 mm | LVS03584 | – | – |
| Characteristics | Terminal blocks are grouped on modular rails that can be depth adjusted behind a plain front plate. | The terminal block is generally installed in the cable compartment, W = 300 or 400 mm. The terminal blocks clip onto a modular rail. The rail is secured to cable-tie supports using universal angle brackets for precise positioning of the terminal blocks. | Terminal blocks can be directly installed on the mounting plates for horizontally mounted ComPacT NSX100/630 and vertically mounted ComPacT NS630b/1600 for connection of auxiliary wires. |

Width of standard terminal blocks

| | 4 | 6 | 10 | 16 |
|-----------------------------------|---|---|----|----|
| Max. cable CSA (mm ²) | 4 | 6 | 10 | 16 |
| Width of terminal block (mm) | 6 | 8 | 10 | 12 |

Height required in switchboard

| | 4 | 6 | 10 | 16 |
|-----------------------------------|-----------------|-----------------|-----------------|-----------------|
| Max. cable CSA (mm ²) | 4 | 6 | 10 | 16 |
| No. of vertical modules | 3 | 3 | 5 | 6 |
| Plain front plate | LVS03803 | LVS03803 | LVS03805 | LVS03806 |

Designing connection ≤ 630 A

Auxiliary connections

Electrical characteristics

| Device | Ambient temperature around the switchboard | | | | | | | | | | | |
|---|--|---------|--------------|---------|--------------|---------|--------------|---------|--------------|---------|--------------|---------|
| | 25°C | | 30°C | | 35°C | | 40°C | | 45°C | | 50°C | |
| | IP \leq 31 | IP > 31 | IP \leq 31 | IP > 31 | IP \leq 31 | IP > 31 | IP \leq 31 | IP > 31 | IP \leq 31 | IP > 31 | IP \leq 31 | IP > 31 |
| Rated current of a circuit I_{nc} (A) | | | | | | | | | | | | |
| Linergy DX | | | | | | | | | | | | |
| Quick distribution block Linergy DX 4P 125A | 134 | 125 | 129 | 120 | 125 | 116 | 120 | 111 | 116 | 106 | 111 | ■ |
| Quick distribution block Linergy DX 4P 160A | 171 | 160 | 166 | 154 | 160 | 148 | 154 | 142 | 148 | 135 | 142 | ■ |
| Quick distribution block Linergy DX 1P 1P 160A | 171 | 160 | 166 | 154 | 160 | 148 | 154 | 142 | 148 | 155 | 142 | ■ |
| Linergy DP | | | | | | | | | | | | |
| Quick distribution block Linergy DP 3P-4P 160A | 160 | 160 | 155 | 155 | 150 | 150 | 145 | 145 | 140 | 140 | 135 | ■ |
| Quick distribution block Linergy DP 3P-4P 250A | 267 | 250 | 259 | 241 | 250 | 231 | 241 | 222 | 231 | 211 | 222 | ■ |
| Linergy FM | | | | | | | | | | | | |
| Quick device feeders Linergy FM 4P 63A | 67 | 63 | 65 | 61 | 63 | 58 | 61 | 56 | 58 | 53 | 56 | ■ |
| Quick device feeders Linergy FM 4P 80A | 86 | 80 | 83 | 77 | 80 | 74 | 77 | 71 | 74 | 68 | 71 | ■ |
| Quick device feeders Linergy FM 4P 160A | 171 | 160 | 166 | 154 | 160 | 148 | 154 | 142 | 148 | 135 | 142 | ■ |
| Quick device feeders Linergy FM 2P 200A | 214 | 200 | 207 | 193 | 200 | 185 | 193 | 177 | 185 | 169 | 177 | ■ |
| Quick device feeders Linergy FM 3P 200A | 214 | 200 | 207 | 193 | 200 | 185 | 193 | 177 | 185 | 169 | 177 | ■ |
| Quick device feeders Linergy FM 4P 200A | 214 | 200 | 207 | 193 | 200 | 185 | 193 | 177 | 185 | 169 | 177 | ■ |
| Quick device feeders Linergy FM 4P 200A (36 modules) | 214 | 200 | 207 | 193 | 200 | 185 | 193 | 177 | 185 | 169 | 177 | ■ |




■ Check the concordance between Linergy derating value and upstream protection device derating value.

D

Lineray TR
Terminal blocks

Secondary distribution



| | | | Connection technology | | | |
|---------------------------------|---------------------------------------|---------------|---|--|---|------------------------------------|
| Type of terminal block | Cross section area | Color | Screw tech  | Spring tech  | Push-in tech  | Miniature screw for 15 mm DIN rail |
| Passthrough | 2.5 mm ² (2 pts) | Grey | NSYTRV22 | NSYTRR22 | NSYTRP22 | NSYTRV22M |
| | | Blue | NSYTRV22BL | NSYTRR22BL | NSYTRP22BL | NSYTRV22MBL |
| | | Orange | NSYTRV22AR | - | NSYTRP22AR | - |
| | 2.5 mm ² (3 pts) | Grey | - | NSYTRR23 | NSYTRP23 | - |
| | | Blue | - | NSYTRR23BL | NSYTRP23BL | - |
| | | Orange | - | - | NSYTRP23AR | - |
| | 2.5 mm ² (4 pts) | Grey | - | NSYTRR24 | NSYTRP24 | - |
| | | Blue | - | NSYTRR24BL | NSYTRP24BL | - |
| | 2.5 mm ² (4 pts, 2 levels) | Grey | NSYTRV24D | NSYTRR24D | NSYTRP24D | - |
| | | Blue | NSYTRV24DBL | - | NSYTRP24DBL | - |
| | 2.5 mm ² (6 pts, 3 levels) | Grey | NSYTRV26T | NSYTRR26T | NSYTRP26T | - |
| | | Blue | - | - | - | - |
| | 4 mm ² (2 pts) | Grey | NSYTRV42 | NSYTRR42 | NSYTRP42 | NSYTRV42M |
| | | Blue | NSYTRV42BL | NSYTRR42BL | NSYTRP42BL | NSYTRV42MBL |
| | | Orange | NSYTRV42AR | - | - | - |
| | 4 mm ² (3 pts) | Grey | NSYTRV43 | NSYTRR43 | NSYTRP43 | - |
| | | Blue | NSYTRV43BL | - | NSYTRP43BL | - |
| | 4 mm ² (4 pts) | Grey | NSYTRV44 | NSYTRR44 | NSYTRP44 | - |
| | | Blue | NSYTRV44BL | - | NSYTRP44BL | - |
| | 4 mm ² (4 pts, 2 levels) | Grey | NSYTRV44D | NSYTRR44D | NSYTRP44D | - |
| | | Blue | NSYTRV44DBL | NSYTRR44DBL | NSYTRP44DBL | - |
| | 6 mm ² (2 pts) | Grey | NSYTRV62 | NSYTRR62 | NSYTRP62 | - |
| | | Blue | NSYTRV62BL | NSYTRR62BL | NSYTRP62BL | - |
| | 6 mm ² (3 pts) | Grey | - | - | NSYTRP63 | - |
| Blue | | - | - | - | - | |
| 10 mm ² (2 pts) | Grey | NSYTRV102 | NSYTRR102 | NSYTRP102 | - | |
| | Blue | NSYTRV102BL | NSYTRR102BL | NSYTRP102BL | - | |
| 16 mm ² (2 pts) | Grey | NSYTRV162 | NSYTRR162 | NSYTRP162 | - | |
| | Blue | NSYTRV162BL | NSYTRR162BL | NSYTRP162BL | - | |
| Earth protection | 2.5 mm ² (2 pts) | Green/Yellow | NSYTRV22PE | NSYTRR22PE | NSYTRP22PE | NSYTRV22MPE |
| | 2.5 mm ² (3 pts) | Green/Yellow | - | NSYTRR23PE | NSYTRP23PE | - |
| | 2.5 mm ² (4 pts) | Green/Yellow | - | NSYTRR24PE | NSYTRP24PE | - |
| | 4 mm ² (2 pts) | Green/Yellow | NSYTRV42PE | NSYTRR42PE | NSYTRP42PE | NSYTRV42MPE |
| | 4 mm ² (3 pts) | Green/Yellow | NSYTRV43PE | - | NSYTRP43PE | - |
| | 4 mm ² (4 pts) | Green/Yellow | NSYTRV44PE | NSYTRR44PE | NSYTRP44PE | - |
| | 4 mm ² (4 pts, 2 levels) | Green/Yellow | - | - | NSYTRP44DPE | - |
| | 6 mm ² (2 pts) | Green/Yellow | NSYTRV62PE | NSYTRR62PE | NSYTRP62PE | - |
| | 10 mm ² (2 pts) | Green/Yellow | NSYTRV102PE | NSYTRR102PE | NSYTRP102PE | - |
| | 16 mm ² (2 pts) | Green/Yellow | NSYTRV162PE | NSYTRR162PE | NSYTRP162PE | - |
| Knife Disconnect | 2.5 mm ² (2 pts) | Grey | NSYTRV22SC | NSYTRR22SC | NSYTRP22SC | - |
| | | Orange | NSYTRV22ST ⁽¹⁾ | - | - | - |
| | 2.5 mm ² (3 pts) | Grey | - | NSYTRR23SC | NSYTRP23SC | - |
| | | Orange | - | - | - | - |
| | 2.5 mm ² (2 levels) | Grey | - | - | - | - |
| Fuse Disconnect | 4 mm ² (2 pts) | Black | NSYTRV42SF5 | - | - | - |
| | 5 x 20 mm fuse | Black (12 V) | NSYTRV42SF5LD ⁽²⁾ | - | - | - |
| | | Black (230 V) | NSYTRV42SF5LA ⁽²⁾ | - | - | - |
| Basic Disconnect ⁽³⁾ | 4 mm ² (2 pts) | Grey | NSYTRV42TB | - | NSYTRP42TB | - |
| | 2.5 mm ² (2 pts) | Grey | - | - | NSYTRP23TB | - |
| Measuring transducer | 6 mm ² (2 pts) Disconnect | Grey | NSYTRV62TTD | - | - | - |
| | | Grey | NSYTRV62TT | - | - | - |
| | 6 mm ² (2 pts) | Green/Yellow | NSYTRV62TTPE | - | - | - |

* Grey terminal with flange.

(1) Grey disconnect terminal with 2 test points.

(2) With light indicator.

(3) Fuse or component carrier not supplied.

Linergy TR
Terminal blocks

Secondary distribution



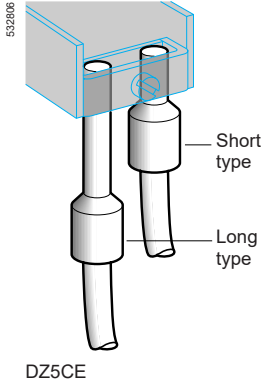
| Accessories | | | | | |
|-------------|-------------------------|--------------------------|---------------------------|----------------|------------------------------|
| | End plate for screw TBs | End plate for spring TBs | End plate for push-in TBs | Plug-in bridge | Marking strips 10 characters |
| | NSYTRAC22 | NSYTRACR22 | NSYTRACR22 | NSYTRAL22 | NSYTRABF510 |
| | NSYTRAC22BL | - | - | NSYTRAL23 | NSYTRABF520 |
| | - | - | - | NSYTRAL24 | NSYTRABF530 |
| | NSYTRAC23 | NSYTRACR23 | NSYTRACR23 | NSYTRAL25 | NSYTRABF540 |
| | - | - | - | NSYTRAL210 | NSYTRABF550 |
| | - | - | - | NSYTRAL210BL | |
| | NSYTRAC24 | NSYTRACR24 | NSYTRACR24 | NSYTRAL210GR | |
| | - | - | - | NSYTRAL220 | |
| | NSYTRACE24 | NSYTRACRE24 | NSYTRACRE24 | | |
| | - | - | - | | |
| | NSYTRACE26 | - | NSYTRACPE26 | | |
| | - | - | - | | |
| | NSYTRAC22 | NSYTRACR42 | NSYTRACR42 | NSYTRAL42 | NSYTRAB610 |
| | NSYTRAC22BL | - | - | NSYTRAL43 | NSYTRAB620 |
| | - | - | - | NSYTRAL44 | NSYTRAB630 |
| | NSYTRAC23 | NSYTRACR43 | NSYTRACP43 | NSYTRAL45 | NSYTRAB640 |
| | - | - | - | NSYTRAL410 | NSYTRAB690 |
| | NSYTRAC24 | NSYTRACR44 | NSYTRACP44 | NSYTRAL410BL | NSYTRAB6100 |
| | - | - | - | NSYTRAL410GR | NSYTRAB61100 |
| | NSYTRACE24 | NSYTRACRE44 | NSYTRACPE44 | NSYTRAL420 | |
| | - | - | - | | |
| | NSYTRAC22 | NSYTRACR62 | NSYTRACP62 | NSYTRAL62 | |
| | NSYTRAC22BL | - | - | | |
| | - | - | NSYTRACP63 | | |
| | - | - | - | | |
| | NSYTRAC22 | NSYTRACR102 | NSYTRACP102 | NSYTRAL102 | |
| | NSYTRAC22BL | - | - | | |
| | NSYTRAC162 | NSYTRACR162 | NSYTRACP162 | NSYTRAL162 | |
| | - | - | - | | |
| | NSYTRAC22 | NSYTRACR22 | NSYTRACR22 | | |
| | NSYTRAC23 | NSYTRACR23 | NSYTRACR23 | | |
| | NSYTRAC24 | NSYTRACR24 | NSYTRACR24 | | |
| | NSYTRAC22 | NSYTRACR42 | NSYTRACR42 | | |
| | NSYTRAC23 | NSYTRACR43 | NSYTRACP43 | | |
| | NSYTRAC24 | NSYTRACR44 | NSYTRACP44 | | |
| | - | - | NSYTRACPE44 | | |
| | NSYTRAC22 | NSYTRACR62 | NSYTRACP62 | | |
| | NSYTRAC22 | NSYTRACR102 | NSYTRACP102 | | |
| | NSYTRAC162 | NSYTRACR162 | NSYTRACP162 | | |
| | NSYTRAC23 | NSYTRACR23 | NSYTRACPK22 | | |
| | NSYTRAC23 | - | - | | |
| | - | NSYTRACR24 | NSYTRACPK23 | | |
| | - | - | - | | |
| | - | Included | - | | |
| | Included | - | - | | |
| | Included | - | - | | |
| | Included | - | - | | |
| | Included | Included | NSYTRACR42 | | |
| | - | - | NSYTRACPK23 | | |
| | NSYTRACT22 | - | - | | |
| | NSYTRACT22 | - | - | | |
| | NSYTRACT22 | - | - | | |



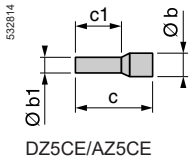
Linergy cable ends

Mounting and cabling accessories

Conforming to standard NF C 63-023 or DIN 46228-4



DZ5CE



DZ5CE/AZ5CE



AZ5CE●●●

| Single conductor cable ends (Packed in individual bags or "strings" of bags) | | | | | | | | | | | |
|--|-----|--------|------------|------|----|----|-----------------|----------------------------|--------|----------------------------|--------|
| Conductor c.s.a. | | Type | Dimensions | | | | Sold in lots of | Unit reference NF C 63-023 | | Unit reference DIN 46228-4 | |
| mm ² | AWG | | Ø b | Ø b1 | c | c1 | | Reference | color | Reference | color |
| 0.25 | 26 | Short | 2.3 | 1.1 | 10 | 6 | 10 x 100 | DZ5CE002L6 | Yellow | | |
| | | Medium | 2.3 | 1.1 | 12 | 8 | 10 x 100 | DZ5CE002 | | | |
| 0.34 | 24 | Short | 2.5 | 1.1 | 10 | 6 | 10 x 100 | DZ5CE003L6 | Green | | |
| | | Medium | 2.5 | 1.1 | 12 | 8 | 10 x 100 | DZ5CE003 | | | |
| 0.5 | 22 | Short | 3.1 | 1.3 | 12 | 6 | 10 x 100 | DZ5CE005L6 ⁽¹⁾ | White | - | White |
| | | Medium | 3.1 | 1.3 | 14 | 8 | 10 x 100 | DZ5CE005 ⁽¹⁾ | | | |
| | | - | - | - | - | - | - | - | | | |
| 0.75 | 20 | Short | 3.3 | 1.5 | 12 | 6 | 10 x 100 | DZ5CE007L6 ⁽¹⁾ | Blue | - | Grey |
| | | Medium | 3.3 | 1.5 | 14 | 8 | 10 x 100 | DZ5CE007 ⁽¹⁾ | | | |
| 1 | 18 | Short | 3.5 | 1.7 | 12 | 6 | 10 x 100 | DZ5CE010L6 ⁽¹⁾ | Red | - | Red |
| | | Medium | 3.5 | 1.7 | 14 | 8 | 10 x 100 | DZ5CE010 ⁽¹⁾ | | | |
| | | Long | 3.5 | 1.7 | 18 | 12 | 10 x 100 | DZ5CE010L12 ⁽¹⁾ | | | |
| 1.5 | 16 | Short | 4 | 2 | 12 | 6 | 10 x 100 | DZ5CE015L6 ⁽¹⁾ | Black | - | Black |
| | | Medium | 4 | 2 | 14 | 8 | 10 x 100 | DZ5CE015 ⁽¹⁾ | | | |
| | | Long | 4 | 2 | 24 | 18 | 10 x 100 | DZ5CE0153 ⁽¹⁾ | | | |
| 2 | 14 | Medium | 4.2 | 2.2 | 14 | 8 | 10 x 100 | DZ5CE020 | Yellow | - | |
| 2.5 | 14 | Medium | 4.7 | 2.5 | 14 | 8 | 10 x 100 | DZ5CE025 ⁽¹⁾ | Grey | - | Blue |
| | | Long | 4.7 | 2.5 | 24 | 18 | 10 x 100 | DZ5CE0253 ⁽¹⁾ | | | |
| 4 | 12 | Medium | 5.4 | 3.2 | 17 | 10 | 10 x 100 | DZ5CE042 ⁽¹⁾ | Orange | - | Grey |
| | | Long | 5.4 | 3.2 | 26 | 18 | 10 x 100 | DZ5CE043 ⁽¹⁾ | | | |
| 6 | 10 | Medium | 6.9 | 3.9 | 20 | 12 | 1 x 100 | DZ5CE062 ⁽¹⁾ | Green | - | Yellow |
| | | Long | 6.9 | 3.9 | 26 | 18 | 1 x 100 | DZ5CE063 ⁽¹⁾ | | | |
| 10 | 8 | Medium | 8.4 | 4.9 | 22 | 12 | 1 x 100 | DZ5CE102 ⁽¹⁾ | Brown | - | Red |
| | | Long | 8.4 | 4.9 | 28 | 18 | 1 x 100 | DZ5CE103 ⁽¹⁾ | | | |
| 16 | 6 | Medium | 9.6 | 6.2 | 24 | 12 | 1 x 100 | DZ5CE162 ⁽¹⁾ | White | - | Blue |
| | | Long | 9.6 | 6.2 | 28 | 18 | 1 x 100 | DZ5CE163 ⁽¹⁾ | | | |
| 25 | 4 | Medium | 12 | 7.7 | 30 | 18 | 1 x 50 | DZ5CE252 ⁽¹⁾ | Black | - | |
| | | Long | 12 | 7.7 | 36 | 22 | 1 x 50 | DZ5CE253 ⁽¹⁾ | | | |
| 35 | 2 | Medium | 13.5 | 8.7 | 30 | 16 | 1 x 50 | DZ5CE352 ⁽¹⁾ | Red | - | Red |
| | | Long | 13.5 | 8.7 | 39 | 25 | 1 x 50 | DZ5CE353 ⁽¹⁾ | | | |
| 50 | 0 | Medium | 16 | 11 | 36 | 20 | 1 x 50 | DZ5CE502 ⁽¹⁾ | Blue | - | Blue |

| Single conductor cable ends (Packed in dispenser pack) | | | | | | | | | | | |
|--|----|--------|-----|-----|----|---|---------|-------------------------|-------|--------------------------|-------|
| 0.5 | 22 | Medium | 3.1 | 1.3 | 14 | 8 | 5 x 200 | AZ5CE005 ⁽¹⁾ | White | AZ5CE005D ⁽¹⁾ | White |
| 0.75 | 20 | Medium | 3.3 | 1.5 | 14 | 8 | 5 x 200 | AZ5CE007 ⁽¹⁾ | Blue | AZ5CE007D ⁽¹⁾ | Grey |
| 1 | 18 | Medium | 3.5 | 1.7 | 14 | 8 | 5 x 200 | AZ5CE010 ⁽¹⁾ | Red | AZ5CE010D ⁽¹⁾ | Red |
| 1.5 | 16 | Medium | 4 | 2 | 14 | 8 | 5 x 200 | AZ5CE015 ⁽¹⁾ | Black | AZ5CE015D ⁽¹⁾ | Black |
| 2.5 | 14 | Medium | 4.7 | 2.5 | 14 | 8 | 5 x 200 | AZ5CE025 ⁽¹⁾ | Grey | AZ5CE025D ⁽¹⁾ | Blue |

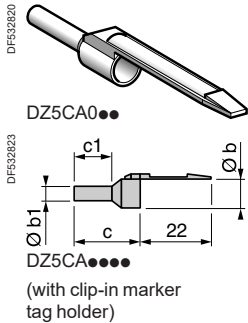
| Single conductor cable ends (Strips of 50 packed in bag) | | | | | | | | | | | |
|--|----|--------|-----|-----|----|---|---------|--------------------------|-------|---------------------------|-------|
| 0.5 | 22 | Medium | 3.1 | 1.3 | 14 | 8 | 10 x 50 | DZ5CEB005 ⁽¹⁾ | White | DZ5CEB005D ⁽¹⁾ | White |
| 0.75 | 20 | Medium | 3.3 | 1.5 | 14 | 8 | 10 x 50 | DZ5CEB007 ⁽¹⁾ | Blue | DZ5CEB007D ⁽¹⁾ | Grey |
| 1 | 18 | Medium | 3.5 | 1.7 | 14 | 8 | 10 x 50 | DZ5CEB010 ⁽¹⁾ | Red | DZ5CEB010D ⁽¹⁾ | Red |
| 1.5 | 16 | Medium | 4 | 2 | 14 | 8 | 10 x 50 | DZ5CEB015 ⁽¹⁾ | Black | DZ5CEB015D ⁽¹⁾ | Black |
| 2.5 | 14 | Medium | 4.7 | 2.5 | 14 | 8 | 10 x 50 | DZ5CEB025 ⁽¹⁾ | Grey | DZ5CEB025D ⁽¹⁾ | Blue |

(1) UL certified products.

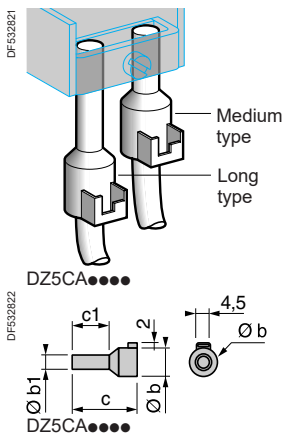
Linergy cable ends

Mounting and cabling accessories

Conforming to standard NF C 63-023 or DIN 46228-4



| Single conductor markable cable ends (Packed in "strings" of bags) | | | | | | | | | | | |
|--|-----|--------|------------|------|----|----|-----------------|----------------------------|--------|----------------------------|-------|
| Conductor c.s.a. | | Type | Dimensions | | | | Sold in lots of | Unit reference NF C 63-023 | | Unit reference DIN 46228-4 | |
| mm ² | AWG | | Ø b | Ø b1 | c | c1 | | Reference | color | Reference | color |
| 0.25 | 26 | Medium | 2.3 | 1.1 | 12 | 8 | 10 x 100 | DZ5CA002 | Yellow | | |
| 0.34 | 24 | Medium | 2.5 | 1.1 | 12 | 8 | 10 x 100 | DZ5CA003 | Green | | |
| 0.5 | 22 | Medium | 3.1 | 1.3 | 14 | 8 | 10 x 100 | DZ5CA005 ⁽¹⁾ | White | DZ5CA005D ⁽¹⁾ | White |
| 0.75 | 20 | Medium | 3.3 | 1.5 | 14 | 8 | 10 x 100 | DZ5CA007 ⁽¹⁾ | Blue | DZ5CA007D ⁽¹⁾ | Grey |
| 1 | 18 | Medium | 3.5 | 1.7 | 14 | 8 | 10 x 100 | DZ5CA010 ⁽¹⁾ | Red | DZ5CA010D ⁽¹⁾ | Red |
| 1.5 | 16 | Medium | 4 | 2 | 14 | 8 | 10 x 100 | DZ5CA015 ⁽¹⁾ | Black | DZ5CA015D ⁽¹⁾ | Black |
| 2.5 | 14 | Medium | 4.7 | 2.5 | 14 | 8 | 10 x 100 | DZ5CA025 ⁽¹⁾ | Grey | DZ5CA025D ⁽¹⁾ | Blue |



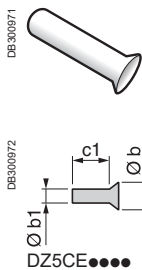
| Single conductor cable ends with facility for clip-in marker tag holder | | | | | | | | | | | |
|---|----|--------|------|-----|----|----|----------|-------------------------|--------|--------------------------|--------|
| 4 | 12 | Medium | 5.4 | 3.2 | 20 | 12 | 10 x 100 | DZ5CA042 ⁽¹⁾ | Orange | DZ5CA042D ⁽¹⁾ | Grey |
| | | Long | 5.4 | 3.2 | 26 | 18 | 10 x 100 | DZ5CA043 ⁽¹⁾ | | - | |
| 6 | 10 | Medium | 6.9 | 3.9 | 20 | 12 | 1 x 100 | DZ5CA062 | Green | DZ5CA062D | Yellow |
| | | Long | 6.9 | 3.9 | 26 | 18 | 1 x 100 | DZ5CA063 | | - | |
| 10 | 8 | Medium | 8.4 | 4.9 | 22 | 12 | 1 x 100 | DZ5CA102 | Brown | DZ5CA102D | Red |
| | | Long | 8.4 | 4.9 | 28 | 18 | 1 x 100 | DZ5CA103 | | - | |
| 16 | 6 | Medium | 9.6 | 6.2 | 24 | 12 | 1 x 100 | DZ5CA162 | White | DZ5CA162D | Blue |
| | | Long | 9.6 | 6.2 | 28 | 18 | 1 x 100 | DZ5CA163 | | - | |
| 25 | 4 | Medium | 12 | 7.7 | 30 | 18 | 1 x 100 | DZ5CA253 | Black | DZ5CA253D | Yellow |
| 35 | 2 | Medium | 13.5 | 8.7 | 30 | 16 | 1 x 20 | DZ5CA352 | Red | DZ5CA352D | Red |
| | | Long | 13.5 | 8.7 | 39 | 25 | 1 x 20 | DZ5CA353 | | - | |
| 50 | 0 | Medium | 16 | 11 | 36 | 20 | 1 x 20 | DZ5CA502 | Blue | DZ5CA502D | Blue |
| | | Long | 16 | 11 | 40 | 25 | 1 x 20 | DZ5CA503 | | - | |

| Twin conductor cable ends (in dispenser pack) | | | | | | | | | | | |
|---|----|--------|---------|------|------|----|---------|-------------------------|-------|--------------------------|-------|
| 2 x 0.75 | 20 | Medium | 2.8x5 | 2 | 15 | 8 | 5 x 100 | AZ5DE007 ⁽²⁾ | Blue | AZ5DE007D ⁽¹⁾ | Grey |
| 2 x 1 | 18 | Medium | 3.4x5.4 | 2.25 | 15 | 8 | 5 x 100 | AZ5DE010 ⁽²⁾ | Red | AZ5DE010D ⁽¹⁾ | Red |
| 2 x 1.5 | 16 | Medium | 3.6x6.6 | 2.5 | 15 | 8 | 5 x 100 | AZ5DE015 ⁽²⁾ | Black | AZ5DE015D ⁽¹⁾ | Black |
| 2 x 2.5 | 14 | Medium | 4.2x7.8 | 3.2 | 18.5 | 10 | 5 x 50 | AZ5DE025 ⁽²⁾ | Grey | AZ5DE025D ⁽¹⁾ | Blue |

| Twin conductor cable ends (packed in 1 plastic bag) | | | | | | | | | | | |
|---|----|--------|---------|------|------|----|----------|--------------------------|-------|--|--|
| 2 x 0.5 | 22 | Medium | 2.5x4.7 | 1.7 | 15 | 8 | 1 x 1000 | AZ5DE005 ⁽²⁾ | White | | |
| 2 x 0.75 | 20 | Medium | 2.8x5 | 2 | 15 | 8 | 1 x 1000 | AZ5DE0071 ⁽²⁾ | Blue | | |
| 2 x 1 | 18 | Medium | 3.4x5.4 | 2.25 | 15 | 8 | 1 x 1000 | AZ5DE0101 ⁽²⁾ | Red | | |
| 2 x 1.5 | 16 | Medium | 3.6x6.6 | 2.5 | 15 | 8 | 1 x 1000 | AZ5DE0151 ⁽²⁾ | Black | | |
| 2 x 2.5 | 14 | Medium | 4.2x7.8 | 3.2 | 18.5 | 10 | 1 x 500 | AZ5DE0255 ⁽²⁾ | Grey | | |

| Single conductor uninsulated cable ends | | | | | | | | | | |
|---|-----|--------|------------|------|----|----|-----------------|----------------------------|--|--|
| Conductor c.s.a. | | Type | Dimensions | | | | Sold in lots of | Unit reference DIN 46228-1 | | |
| mm ² | AWG | | Ø b | Ø b1 | c | c1 | | Reference | | |
| 0.75 | 20 | Medium | 2.3 | 1.2 | -- | 8 | 10 x 100 | DZ5CE007N | | |
| 1 | 18 | Medium | 2.5 | 1.4 | -- | 8 | 10 x 100 | DZ5CE010N | | |
| 1.5 | 16 | Medium | 2.8 | 1.7 | -- | 8 | 10 x 100 | DZ5CE015N | | |
| 2.5 | 14 | Medium | 3.4 | 2.2 | -- | 10 | 10 x 100 | DZ5CE025N | | |
| 4 | 12 | Medium | 4 | 2.8 | -- | 12 | 1 x 100 | DZ5CE040 | | |
| | | Long | 4.7 | 3.5 | -- | 18 | 1 x 100 | DZ5CE060L | | |
| 10 | 8 | Medium | 5.8 | 4.5 | -- | 18 | 1 x 100 | DZ5CE100 | | |
| | | Medium | 7.5 | 5.8 | -- | 18 | 1 x 100 | DZ5CE160 | | |

(1) UL certified products.
(2) cCSAus certified products.



Functional Partitioning

Main distribution

| | |
|---------------------------|--------------|
| Forms partitioning | |
| Presentation | D-118 |
| Partitioning | D-119 |
| Other partitions | D-123 |

D

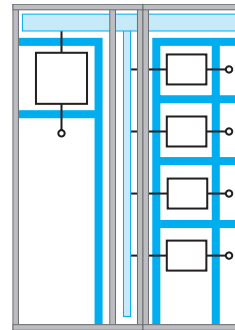
Forms partitioning

Presentation

What are the forms?

- The forms are metal partitions or molded material, removable by using tools or keys, which ensure the protection of operators against direct contact with power conductors when working on low voltage switchboards.
- They also protect internal elements of the switchboard against external aggressions (dust, pests, water ...).
- These forms are graduated from 1 to 4, with indices "a" or "b". Their use contributes to the level of service continuity required by the user.
- Forms have a cumulative effect (a higher form integrates the characteristics of the forms that precede it).
- The choice of a form is the subject to an agreement between the manufacturer and the user.
- The electrical panel must comply with the degree of protection IP 2X, according to standard IEC 61439-1 & 2.

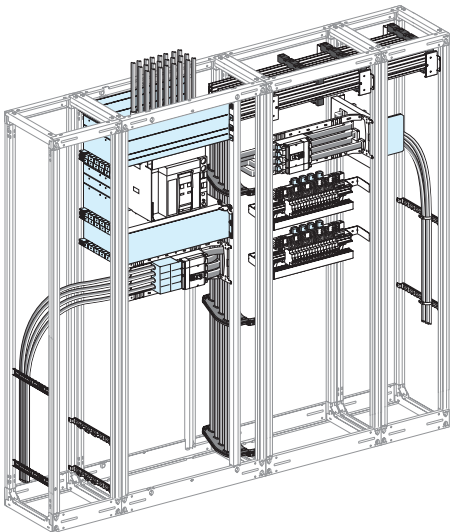
Form 4b



PrismaSeT P Internal Arc Linergy LGYE 66 kA application requires Form 4b.

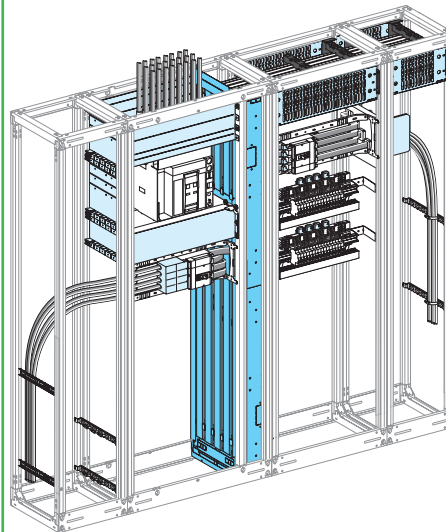
Form 1

No internal separation



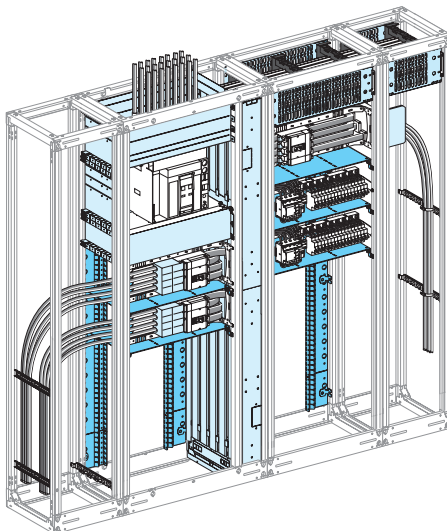
Form 2

Separation between horizontal busbars, vertical busbars, and functional units



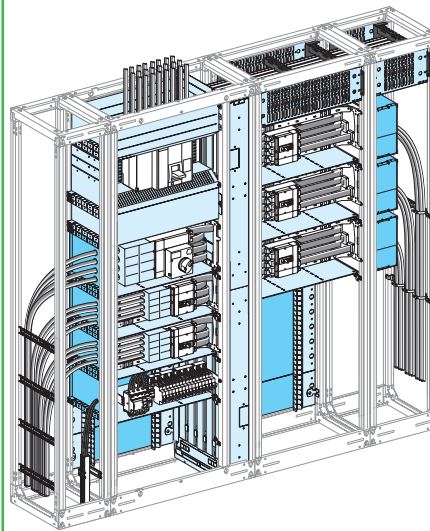
Form 3

Form 2 + separation of functional units from one another



Form 4

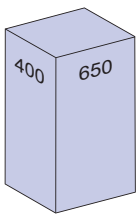
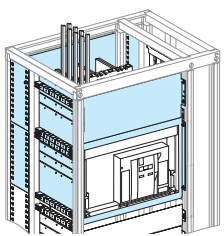
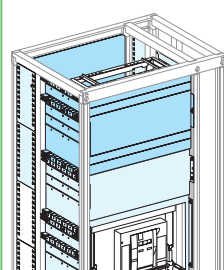
Form 3 + separation of the terminals of the functional units from one another

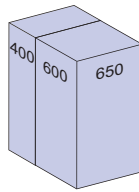
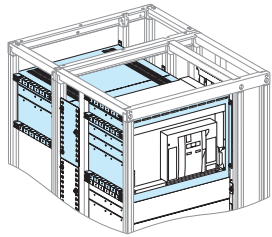
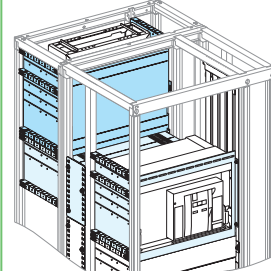


Partitioning

Covering the supply terminals on the incoming device

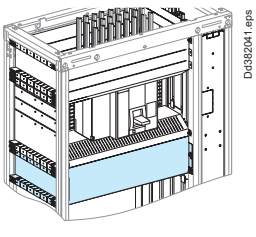
Main distribution

| | Front connection with cables | Canalis front connection |
|--|--|---|
|  <p>MTZ2 Only</p> |  <p>D61382019.eps</p> |  <p>D61382020.eps</p> |
| Devices | Withdrawable device MasterPact MTZ2 | Withdrawable device MasterPact MTZ2 |
| Cover | LVS04861 | LVS04861 |
| Canalis additional cover | - | LVS04871 |

| | Rear connection with cables | Canalis rear connection |
|---|---|--|
|  <p>MTZ2 Only</p> |  <p>D61382021.eps</p> |  <p>D61382022.eps</p> |
| Devices | Withdrawable device MasterPact MTZ2 | Withdrawable device MasterPact MTZ2 |
| Cover | LVS04863 | LVS04863 |
| Canalis additional cover | - | LVS04871 |

D

Covering of the connection between an incoming device and lateral busbars

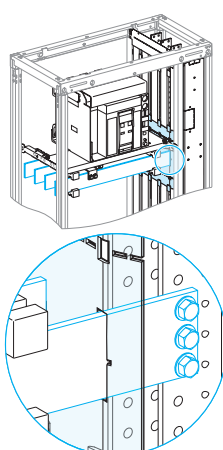
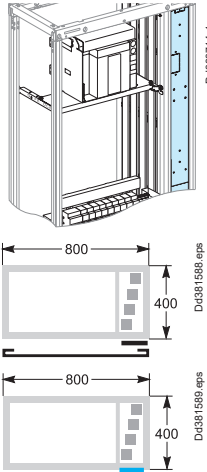
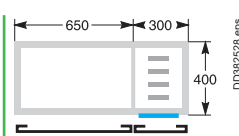
| | |
|--|------------------------|
|  <p>D61382041.eps</p> | |
| | MasterPact MTZ2 |
| Cover with copper connection | LVS04926 |
| Additional cover | LVS04927 |
| Cover with Linergy LGYE connection | LVS04925 |
| Additional cover | LVS04928 |
| Form partition depth | 600 |

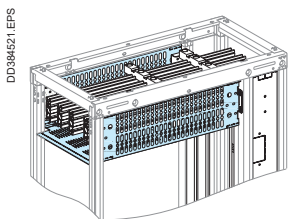
Note: Cubicle depth based on the depth of the incoming device.

Main distribution

Lateral partitioning

- Made of:
 - Four supports that clip to the framework.
 - Five extruded slats that clip to the supports.
 - Two metal plates at the top and bottom that can be cut out to pass a PE or PEN conductor, or one or two 30 x 60 mm trunking sections.
- Compliance with standard IEC 695.2.1 concerning withstand to fire.

| | Restoration kit / Side barrier | Front or rear barrier | |
|------------------------|---|--|---|
| |  <p style="text-align: right; font-size: small;">DD3885402.eps</p> |  <p style="text-align: right; font-size: small;">DD388714-1.eps</p> |  <p style="text-align: right; font-size: small;">DD3882528.eps</p> |
| | | <p>800</p> <p>400</p> <p>800</p> <p>400</p> <p>DD3881588.eps</p> <p>DD3881589.eps</p> | <p>650</p> <p>300</p> <p>400</p> <p>DD3882528.eps</p> |
| | | W = 150 mm | W = 300 mm |
| Characteristics | <ul style="list-style-type: none"> ■ This kit enables passage of the connection between a device > 1600 A (MTZ2, INS-INV) and lateral vertical busbars. ■ It is made up of an insulated plate (six modules high = 300 mm) that can be cut as required, supplied with supports and the necessary hardware. ■ Has to be used with MTZ2 interlocking mounting plate. | <p>Can be installed in the front and rear of the busbar compartment. Protects against direct contact with the busbars.</p> <ul style="list-style-type: none"> ■ For 800 mm cubicles : <ul style="list-style-type: none"> □ The door is systematically supplied with a barrier. □ The cover frame is supplied with a wicket door, W = 150 mm, on which devices can be mounted. A front barrier is indispensable. ■ A barrier is required at the rear of the busbar compartment in cubicles that are 600, 800 and 1000 mm deep. | |
| Catalog number | LVS04924 | LVS04921 | LVS04920 |



Horizontal partitioning

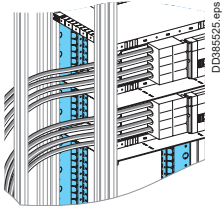
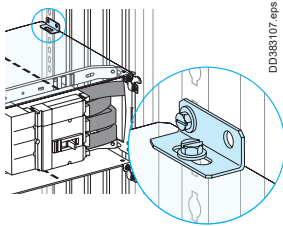
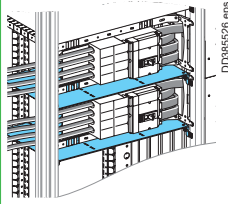
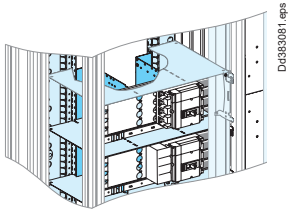
- Set of two barriers (front and rear), plus a slotted rear panel for efficient natural convection in the switchboard.
- The set can be used to partition horizontal busbars installed at the top or bottom of the cubicle.
- The space required for the busbars is not increased.

| Linergy LGYE | | | |
|--------------|------------|-----------------|-----------------|
| | | Top position | |
| In | | ≤ 2500 A | ≥ 3200 A |
| Nb of module | | 3 | 4 |
| D400 | | | |
| Cover | W = 300 | LVS04973 | LVS04963 |
| | W = 400 | LVS04974 | LVS04964 |
| | W650 | LVS04976 | LVS04966 |
| | W650 + 150 | LVS04976 | LVS04966 |
| | W800 | LVS04978 | LVS04968 |
| D600 | | | |
| Cover | W = 300 | LVS04983 | LVS04963 |
| | W = 400 | LVS04984 | LVS04964 |
| | W650 | LVS04986 | LVS04966 |
| | W650 + 150 | LVS04986 | LVS04966 |
| | W800 | LVS04988 | LVS04968 |

Note: When the busbars are at the bottom of the cubicle, gland plates are mandatory > page D-19.

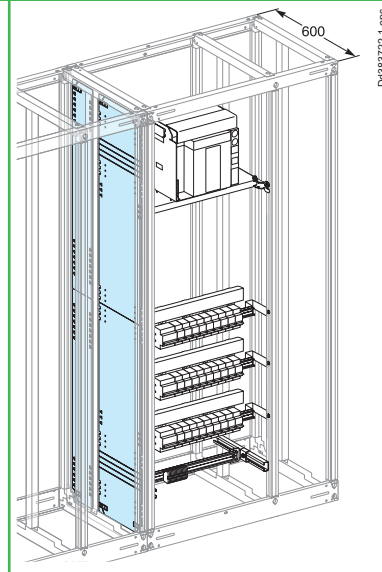
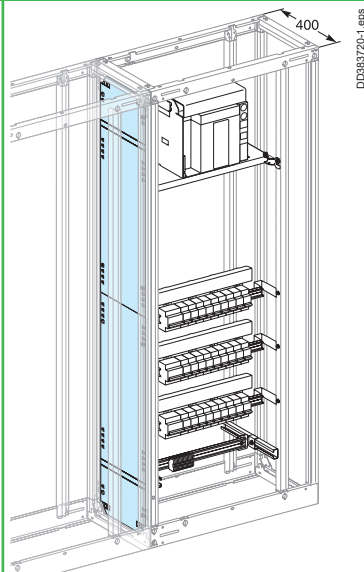
Note: To protect horizontal busbars installed at the bottom of the cubicle, the slotted horizontal panel must be replaced by a plain barrier.(LVS04915 or LVS04919) and add a free support LVS04662.

Main distribution

| Front connection | | Rear connection | | | | | | |
|------------------|---|---|---|---|----------------|----------------|-----------------|-----------------|
| |  |  |  |  | | | | |
| | Rear support for partitions W = 650 mm | 6 universal angle brackets | Horizontal metal partition W = 650 mm | Rear connection | | | | |
| Characteristics | Two uprights secured to the framework (400 mm deep) or to the intermediate uprights (600 mm deep frameworks). | A set of brackets can be used to install partial Form 3 partitioning in the cubicle. It does not take up any useful space in the switchboard. | A horizontal metal partition can be used to physically separate functional units from one another. It does not take up any useful space in the switchboard. | Vertical partitions (two cat. no. per functional unit) | | | | |
| Catalog numbers | LVS04943 | LVS03583 | LVS04901 | <table border="1"> <tr> <td>3 to 4 modules</td> <td>5 to 6 modules</td> </tr> <tr> <td>LVS04955</td> <td>LVS04956</td> </tr> </table> | 3 to 4 modules | 5 to 6 modules | LVS04955 | LVS04956 |
| 3 to 4 modules | 5 to 6 modules | | | | | | | |
| LVS04955 | LVS04956 | | | | | | | |

D

Inter-cubicle partition



D400

D600

| | | |
|------------------------|---|-----------------------------------|
| <p>Characteristics</p> | <p>Metal partition, used to separate two adjacent cubicles. It is made up of two panels, each 850 mm high. The top and bottom ends have knock-outs for busbars, PE/PEN conductors or auxiliary wiring. Supplied with the necessary supports and hardware, the partition is mounted on the framework and does not hinder installation of the functional mounting plates.</p> | |
| <p>Catalog numbers</p> | <p>LVS04911</p> | <p>LVS04911 + LVS04931</p> |



Additional Information

Contents

Spare parts

After-sales accessories **D-126**

Electrical characteristics

Designing horizontal busbars

Linergy LGYE D-130

Designing vertical busbars

Linergy LGY D-131

Linergy LGYE D-132

Designing connections between a device and busbars

Prefabricated connections for ComPacT NS630b to NS1600 D-133

Prefabricated connections for MasterPact MTZ1 06-16 D-134

Prefabricated connections for ComPacT NS630b to NS1000 D-135

Fixed MasterPact 08-16 D-136

Fixed MasterPact 08-32 D-137

Drawout MasterPact 08-16 D-138

Drawout MasterPact 08-32 D-139

Dedicated cubicle - Fixed MasterPact 08-32 D-140

Dedicated cubicle - Drawout MasterPact 08-32 D-141

ComPacT NS630b to NS1000 D-142

Designing connections ≤ 630 A

Device connections D-143

ComPacT circuit breakers NSX100 to NSX630 D-144

ComPacT circuit breakers NSX100 to NSX250 D-145

ComPacT circuit breakers NSXm up to 160 D-146

Designing cable connections

Tubular lugs D-147

Designing customer connections

Prefabricated connections for ComPacT NS630b to NS1600 D-148

Prefabricated connections for MasterPact 06-16 D-149

Connection transfer assembly for fixed ComPacT NS630b to NS1000 D-150

Fixed MasterPact 08-16 D-151

Fixed MasterPact 08-32 D-152

Drawout MasterPact 08-16 D-153

MasterPact 08-32 withdrawable D-154

Fixed MasterPact 06-16 D-155

Drawout MasterPact 06-16 D-156

Fixed ComPacT NS630b to NS1600 D-157

Withdrawable ComPacT NS630b to NS1600 D-158

Fixed ComPacT NS630b to NS1000 Horizontal mounting D-159

Designing busbars

FuPact GS, ISFT Vertical Linergy LGYE, LGY busbars D-160

Designing connections between a device and busbars

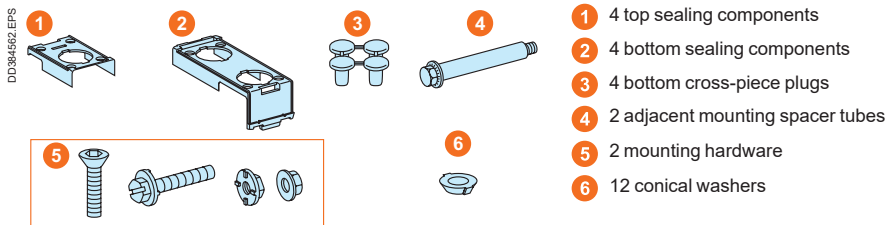
Dedicated cubicle - W = 400 mm D-161

D

Framework accessories

Framework accessories

LVS01104



Front-plate accessories

10 sets of 2 grips quarter turn

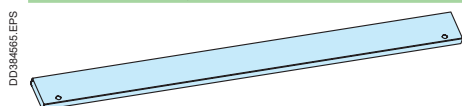
LVS01094



Accessory

Plain wicket door, W = 150 mm

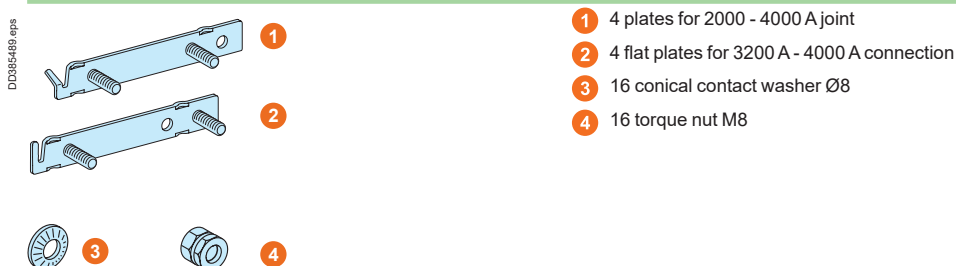
LVS01110



Linergy LGYE busbar accessories

Linergy LGYE connection screwplate kit

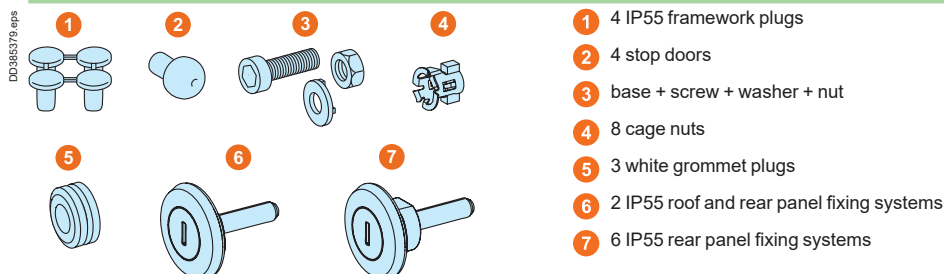
LVS01130



Rear accessories

Accessories IP55

LVS01101

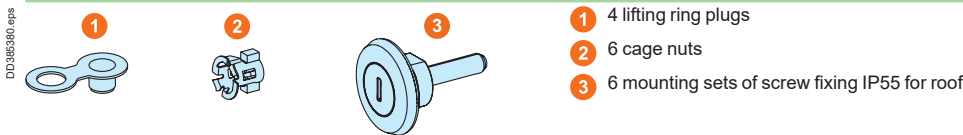


Spare parts

Accessories for IP55 side panel LVS01102

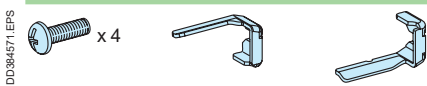


Accessories for IP55 roof LVS01103



Front plate support frames

Front plate support striker kit for LVS08564 - LVS08566 LVS01123



Side-by-side combination kit

| | PrismaSeT P/Prisma P Beige | PrismaSeT P/PrismaSeT PH |
|-----------------|---|---|
| | | |
| Catalog number | LVS01199 | LVS01198 |
| Characteristics | <ul style="list-style-type: none"> To add a PrismaSeT P cubicle to an existing Prisma P Beige installation, use the combination kit and a 400 mm wide frame. | <ul style="list-style-type: none"> PrismaSeT PH/PrismaSeT P side-by-side combination kit <p>Note: When combining PrismaSeT PH and PrismaSeT P IP55 enclosures, use the IP55 sealing kit for side-by-side combinations (LVS08717) together with the side-by-side combination kit (LVS01198).</p> |

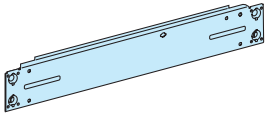


Spare parts

Framework accessories

Framework accessories

DD394572.EPS



Frame bottom cross-member W400 to use with LVS08564

LVS01119 ⁽¹⁾

Frame bottom cross-member W650 to use with LVS08566

LVS01120 ⁽¹⁾

Frame bottom cross-member W150+650 to use with LVS08566

LVS01121 ⁽¹⁾

Frame bottom cross-member W650+150 to use with LVS08566

LVS01122 ⁽¹⁾

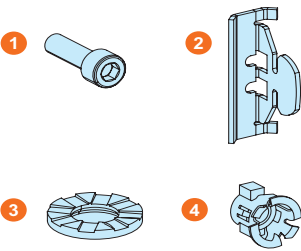
⁽¹⁾ Spare parts on stock in RAL 9003 only.

Door accessories

Reinforced door striker

LVS01114

DD435801.EPS



1 4 screws MSC HXG SK M6 x 20

2 4 door strike stoppers

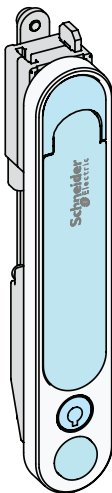
3 4 washers

4 4 captive nuts for frame

PrismaSeT P rotary handle spare parts

LVS01219

nm2131101_1.EPS



1 Handle housing block

2 P adapter link part

3 Screw, pan head, M5x8

4 The key of 405

5 1 crosshead screw

6 Omega fix part

7 Driver block

8 Hex locking screw, M6x10

9 Self tapping screw, pan head, ST3.5x15

Designing horizontal busbars

Linergy LGYE

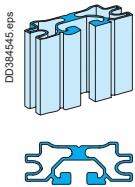
Electrical characteristics

Permissible current and selection of Linergy LGYE busbars Up to 3200 A

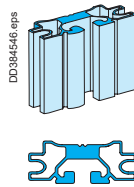
Linergy LGYE section

| Type of bars | Permissible current (A) | | | | | |
|-----------------------|--|----------------|----------------|----------------|----------------|----------------|
| | Ambient temperature around the switchboard | | | | | |
| | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| Size per phase | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 |
| Linergy LGYE 630 | 680 | 650 | 630 | 590 | 550 | 520 |
| Linergy LGYE 800 | 860 | 830 | 800 | 750 | 700 | 660 |
| Linergy LGYE 1000 | 1080 | 1040 | 1000 | 940 | 880 | 830 |
| Linergy LGYE 1250 | 1350 | 1300 | 1250 | 1170 | 1100 | 1020 |
| Linergy LGYE 1600 | 1730 | 1690 | 1650 | 1550 | 1450 | 1350 |
| Linergy LGYE 2000 | 2200 | 2100 | 2000 | 1900 | 1810 | 1720 |
| Linergy LGYE 2500 | 2640 | 2540 | 2440 | 2310 | 2240 | 2120 |
| Linergy LGYE 3200 | 3400 | 3300 | 3200 | 3040 | 2890 | 2750 |

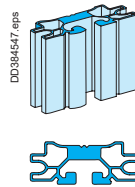
■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.



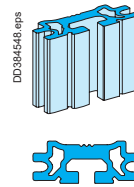
Section 630 A.
Cat. No. LVS04560.



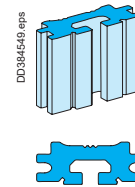
Section 800 A.
Cat. No. LVS04561.



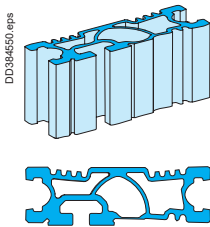
Section 1000 A.
Cat. No. LVS04562.



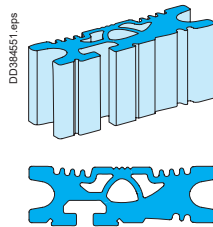
Section 1250 A.
Cat. No. LVS04563.



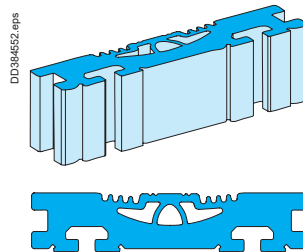
Section 1600 A.
Cat. No. LVS04564.



Section 2000 A.
Cat. No. LVS04565.



Section 2500 A.
Cat. No. LVS04566.



Section 3200 A.
Cat. No. LVS04567.

Designing vertical busbars

Linergy LGY

Electrical characteristics

Permissible current and selection of Linergy LGY busbars

The goal is to optimise busbar size according to the installation and operating criteria.

Up to 3200 A

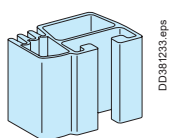
Linergy LGY section

| Type of bars | Permissible current (A) | | | | | |
|-----------------------------|--|------------------|------------------|------------------|------------------|------------------|
| | Ambient temperature around the switchboard | | | | | |
| | 25 °C IP ≤ 31 | 30 °C IP ≤ 31 | 35 °C IP ≤ 31 | 40 °C IP ≤ 31 | 45 °C IP ≤ 31 | 50 °C IP ≤ 31 |
| Linergy LGY 630 | 750 | 710 | 680 | 630 | 590 | 550 |
| Linergy LGY 800 | 920 | 880 | 840 | 800 | 760 | 720 |
| Linergy LGY 1000 | 1140 | 1090 | 1040 | 990 | 950 | 900 |
| Linergy LGY 1250 | 1410 | 1350 | 1290 | 1230 | 1170 | 1100 |
| Linergy LGY 1600 | 1800 | 1720 | 1650 | 1580 | 1480 | 1390 |
| Linergy LGY 2000 (2 x 1000) | 2200 | 2100 | 2000 | 1900 | 1820 | 1720 |
| Linergy LGY 2500 (2 x 1250) | 2740 | 2620 | 2500 | 2380 | 2260 | 2120 |
| Linergy LGY 3200 (2 x 1600) | 3480 | 3340 | 3200 | 3060 | 2920 | 2780 |

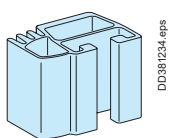
■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Example:

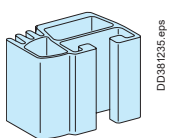
A Linergy LGY channelled bar can be used for a 1650 A current with an IP ≤ 31 and an ambient temperature around the switchboard of 35 °C.



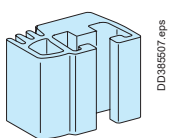
DD381233.eps



DD381234.eps



DD381235.eps



DD385507.eps



Section 630 A.
Cat. No. LVS04502.



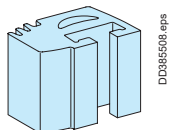
Section 800 A.
Cat. No. LVS04503.



Section 1000 A.
Cat. No. LVS04504.



Section 1250 A.
Cat. No. LVS04505.



DD385508.eps



Section 1600 A.
Cat. No. LVS04506.

Note: The values indicated above have been validated for PrismaSeT P switchboards.



Designing vertical busbars

Linergy LGYE

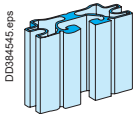
Electrical characteristics

Up to 3200 A

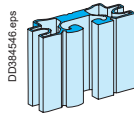
Linergy LGYE section

| Type of bars | Permissible current (A) | | | | | |
|-----------------------|--|----------------|----------------|----------------|----------------|----------------|
| | Ambient temperature around the switchboard | | | | | |
| | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| Size per phase | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 |
| Linergy LGYE 630 | 680 | 650 | 630 | 590 | 550 | 520 |
| Linergy LGYE 800 | 860 | 830 | 800 | 750 | 700 | 660 |
| Linergy LGYE 1000 | 1080 | 1040 | 1000 | 940 | 880 | 830 |
| Linergy LGYE 1250 | 1350 | 1300 | 1250 | 1170 | 1100 | 1020 |
| Linergy LGYE 1600 | 1730 | 1690 | 1650 | 1550 | 1450 | 1350 |
| Linergy LGYE 2000 | 2200 | 2100 | 2000 | 1900 | 1810 | 1720 |
| Linergy LGYE 2500 | 2640 | 2540 | 2440 | 2310 | 2240 | 2120 |
| Linergy LGYE 3200 | 3400 | 3300 | 3200 | 3040 | 2890 | 2750 |

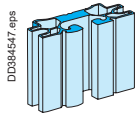
■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.



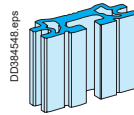
Section 630 A.
Cat. No. LVS04560.



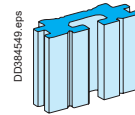
Section 800 A.
Cat. No. LVS04561.



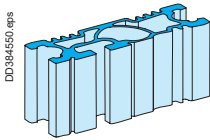
Section 1000 A.
Cat. No. LVS04562.



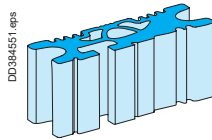
Section 1250 A.
Cat. No. LVS04563.



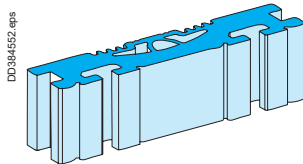
Section 1600 A.
Cat. No. LVS04564.



Section 2000 A.
Cat. No. LVS04565.



Section 2500 A.
Cat. No. LVS04566.



Section 3200 A.
Cat. No. LVS04567.

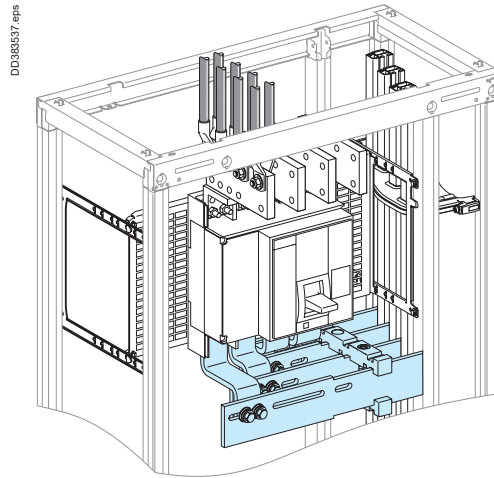
Designing connections between a device and busbars

Prefabricated connections for ComPacT NS630b to NS1600

Electrical characteristics

ComPacT NS630b to NS1600 Vertical mounting

- Front or rear connection
- Top or bottom incoming
- Vertical busbars on the left or right
- Lineray LGY busbars



Using the data below, it is possible to determine the permissible current for a prefabricated connection between a vertical ComPacT NS630b/NS1600, fixed or withdrawable, and Linergy LGY busbars depending on the ambient temperature around the switchboard and the IP value.



Fixed

Prefabricated connection

| Device and cat. no. | | Permissible current (A) | | | | | |
|---------------------|----------------------|--|---------|---------|---------|---------|---------|
| | | Ambient temperature around the switchboard | | | | | |
| | | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| | | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 |
| NS630b | 3P cat. no. LVS04485 | 630 | 630 | 630 | 630 | 630 | 630 |
| | 4P cat. no. LVS04486 | | | | | | |
| NS800 | 3P cat. no. LVS04485 | 800 | 800 | 800 | 800 | 800 | 800 |
| | 4P cat. no. LVS04486 | | | | | | |
| NS1000 | 3P cat. no. LVS04485 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| | 4P cat. no. LVS04486 | | | | | | |
| NS1250 | 3P cat. no. LVS04485 | 1250 | 1250 | 1250 | 1250 | 1250 | 1200 |
| | 4P cat. no. LVS04486 | | | | | | |
| NS1600 | 3P cat. no. LVS04487 | 1600 | 1600 | 1550 | 1500 | 1450 | 1400 |
| | 4P cat. no. LVS04488 | | | | | | |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Withdrawable

Prefabricated connection

| Device and cat. no. | | Permissible current (A) | | | | | |
|---------------------|----------------------|--|---------|---------|---------|---------|---------|
| | | Ambient temperature around the switchboard | | | | | |
| | | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| | | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 |
| NS630b | 3P cat. no. LVS04477 | 630 | 630 | 630 | 630 | 630 | 630 |
| | 4P cat. no. LVS04478 | | | | | | |
| NS800 | 3P cat. no. LVS04477 | 800 | 800 | 800 | 800 | 800 | 800 |
| | 4P cat. no. LVS04478 | | | | | | |
| NS1000 | 3P cat. no. LVS04477 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| | 4P cat. no. LVS04478 | | | | | | |
| NS1250 | 3P cat. no. LVS04477 | 1250 | 1250 | 1250 | 1250 | 1250 | 1200 |
| | 4P cat. no. LVS04478 | | | | | | |
| NS1600 | 3P cat. no. LVS04491 | 1560 | 1520 | 1480 | 1430 | 1380 | 1330 |
| | 4P cat. no. LVS04492 | | | | | | |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Designing connections between a device and busbars

Prefabricated connections for MasterPact MTZ1 06-16

Electrical characteristics

MasterPact MTZ1 06 to 16

MasterPact MTZ1 06 to 16

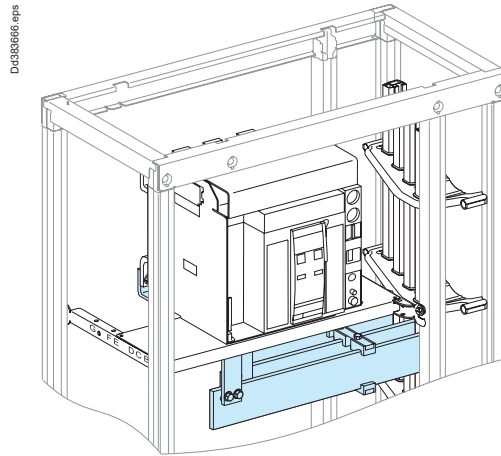
Vertical mounting

Front or rear connection

Top or bottom incoming

Vertical busbars on the left or right

Linergy LGY busbars



Using the data below, it is possible to determine the permissible current for a prefabricated connection between a vertical MasterPact MTZ1 06/16, fixed or drawout, and Linergy LGY busbars depending on the ambient temperature around the switchboard and the IP value.

Fixed

Prefabricated connection

| Device and cat. no. | | Permissible current (A) | | | | | |
|---------------------|--|--|---------|---------|---------|---------|---------|
| | | Ambient temperature around the switchboard | | | | | |
| | | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| | | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 |
| MTZ1 06 | 3P cat. no. LVS04475 4P cat. no. LVS04476 | 630 | 630 | 630 | 630 | 630 | 630 |
| MTZ1 08 | 3P cat. no. LVS04475 4P cat. no. LVS04476 | 800 | 800 | 800 | 800 | 800 | 800 |
| MTZ1 10 | 3P cat. no. LVS04475 4P cat. no. LVS04476 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| MTZ1 12 | 3P cat. no. LVS04475 4P cat. no. LVS04476 | 1250 | 1250 | 1250 | 1250 | 1250 | 1200 |
| MTZ1 16 | 3P cat. no. LVS04489 4P cat. no. LVS04490 | 1600 | 1600 | 1570 | 1520 | 1470 | 1420 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Withdrawable

Prefabricated connection

| Device and cat. no. | | Permissible current (A) | | | | | |
|---------------------|--|--|---------|---------|---------|---------|---------|
| | | Ambient temperature around the switchboard | | | | | |
| | | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| | | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 |
| MTZ1 06 | 3P cat. no. LVS04477 4P cat. no. LVS04478 | 630 | 630 | 630 | 630 | 630 | 630 |
| MTZ1 08 | 3P cat. no. LVS04477 4P cat. no. LVS04478 | 800 | 800 | 800 | 800 | 800 | 800 |
| MTZ1 10 | 3P cat. no. LVS04477 4P cat. no. LVS04478 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| MTZ1 12 | 3P cat. no. LVS04477 4P cat. no. LVS04478 | 1250 | 1250 | 1250 | 1250 | 1250 | 1200 |
| MTZ1 16 | 3P cat. no. LVS04491 4P cat. no. LVS04492 | 1560 | 1520 | 1480 | 1430 | 1380 | 1330 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Designing connections between a device and busbars

Prefabricated connections for ComPacT NS630b to NS1000

Electrical characteristics

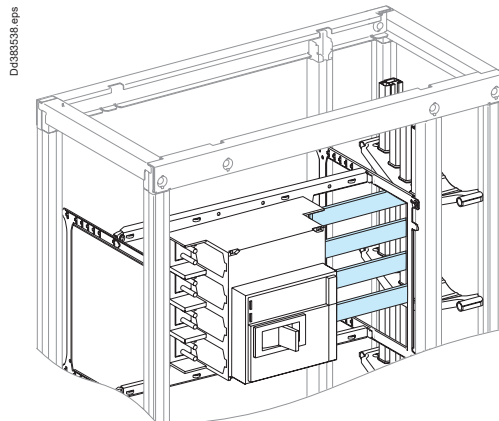
ComPacT NS630b to NS1000

Horizontal mounting

Front or rear connection

Left or right incoming

Lineray LGY vertical busbars



Using the data below, it is possible to determine the permissible current for a prefabricated connection between a horizontal ComPacT NS630b/NS1600, fixed or withdrawable, and Linergy LGY busbars depending on the ambient temperature around the switchboard and the IP value.

Fixed

Prefabricated connection

| Device and cat. no. | | Permissible current (A) | | | | | |
|---------------------|-----------------------------|--|---------|---------|---------|---------|---------|
| | | Ambient temperature around the switchboard | | | | | |
| | | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| | | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 |
| NS630b | 3P cat. no. LVS04473 | 630 | 630 | 630 | 630 | 630 | 630 |
| | 4P cat. no. LVS04474 | | | | | | |
| NS800 | 3P cat. no. LVS04473 | 800 | 800 | 800 | 800 | 800 | 800 |
| | 4P cat. no. LVS04474 | | | | | | |
| NS1000 | 3P cat. no. LVS04473 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| | 4P cat. no. LVS04474 | | | | | | |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Note: The values indicated above have been validated for PrismaSeT P switchboards.



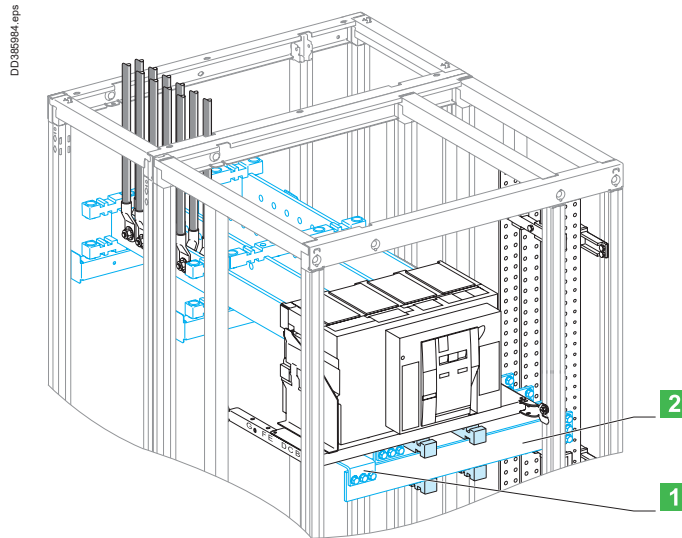
Designing connections between a device and busbars

Fixed MasterPact 08-16

Electrical characteristics

MasterPact MTZ2 08 to 16
 MasterPact MTZ2 08 to 16
 Fixed

Vertical busbars on the left or right
 Linergy LGY, LGYE busbars
 Connections drawings supplied by
 Schneider Electric



- 1** Liaison
- 2** Horizontal link.

Using the data below, it is possible to determine the size of the copper bars and the maximum permissible currents when making the connections to busbars for a vertical, fixed MasterPact MTZ2 08/16, front or rear connection, taking into account the ambient temperature around the switchboard and the IP value.

Connection

Flat bars, 5 mm thick

| Device | | Permissible current (A) | | | | | |
|---------|----------------|---|-----------|-----------|-----------|-----------|-----------|
| | | Ambient temperature around the switchboard ⁽¹⁾ | | | | | |
| | | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| | | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 |
| MTZ2 08 | Size per phase | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 |
| MTZ2 10 | Size per phase | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| MTZ2 12 | Size per phase | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 |
| MTZ2 16 | Size per phase | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 |
| | I (A) | 1600 | 1600 | 1600 | 1570 | 1520 | 1470 |

Horizontal link

Flat bars, 5 mm thick

| Device | | Permissible current (A) | | | | | |
|---------|----------------|--|-----------|-----------|-----------|-----------|-----------|
| | | Ambient temperature around the switchboard | | | | | |
| | | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| | | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 |
| MTZ2 08 | Size per phase | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 |
| MTZ2 10 | Size per phase | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| MTZ2 12 | Size per phase | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 |
| MTZ2 16 | Size per phase | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 |
| | I (A) | 1600 | 1600 | 1600 | 1570 | 1520 | 1470 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

(1) In the case of a door mounted at the rear of cubicle, add 10 °C.

Note: The values indicated above have been validated for PrismaSet P switchboards.

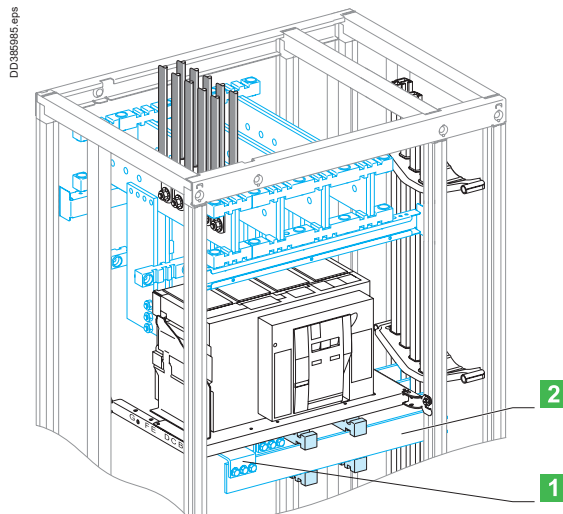
Designing connections between a device and busbars

Fixed MasterPact 08-32

Electrical characteristics

MasterPact MTZ2 08 to 32
MasterPact MTZ2 08 to 32
Fixed

Vertical busbars on the left or right
Linergy LGYE, LGY busbars
Connections drawings supplied by
Schneider Electric



- 1** Connection.
- 2** Horizontal link.

Using the data below, it is possible to determine the size of the copper bars and the maximum permissible currents when making the connections to busbars for a vertical, fixed MasterPact MTZ2 08/32, front or rear connection, taking into account the ambient temperature around the switchboard and the IP value.

Connection

Flat bars, 10 mm thick

| Device | Permissible current (A) | Ambient temperature around the switchboard | | | | | |
|---------|-------------------------|--|------------|------------|------------|------------|------------|
| | | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| | | IP ≤ 31 | | | | | |
| MTZ2 08 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 |
| MTZ2 10 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| MTZ2 12 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 |
| MTZ2 16 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 1600 | 1600 | 1600 | 1570 | 1520 | 1470 |
| MTZ2 20 | Size per phase | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 |
| | I (A) | 2000 | 2000 | 2000 | 2000 | 2000 | 1950 |
| MTZ2 25 | Size per phase | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 |
| | I (A) | 2500 | 2500 | 2500 | 2500 | 2500 | 2460 |
| MTZ2 32 | Size per phase | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 |
| | I (A) | 3200 | 3170 | 3080 | 3000 | 2910 | 2820 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Horizontal link

Flat bars, 10 mm thick

| Device | Permissible current (A) | Ambient temperature around the switchboard | | | | | |
|---------|-------------------------|--|------------|------------|------------|------------|------------|
| | | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| | | IP ≤ 31 | | | | | |
| MTZ2 08 | Size per phase | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 |
| MTZ2 10 | Size per phase | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| MTZ2 12 | Size per phase | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 |
| MTZ2 16 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 1600 | 1600 | 1600 | 1570 | 1520 | 1470 |
| MTZ2 20 | Size per phase | 2b 60 x 10 | 2b 60 x 10 | 2b 60 x 10 | 2b 60 x 10 | 2b 60 x 10 | 2b 60 x 10 |
| | I (A) | 2000 | 2000 | 2000 | 2000 | 2000 | 1950 |
| MTZ2 25 | Size per phase | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 |
| | I (A) | 2500 | 2500 | 2500 | 2500 | 2500 | 2460 |
| MTZ2 32 | Size per phase | 2b 100x10 | 2b 100x10 | 2b 100x10 | 2b 100x10 | 2b 100x10 | 2b 100x10 |
| | I (A) | 3200 | 3170 | 3080 | 3000 | 2910 | 2820 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Note: The values indicated above have been validated for PrismaSeT P switchboards.

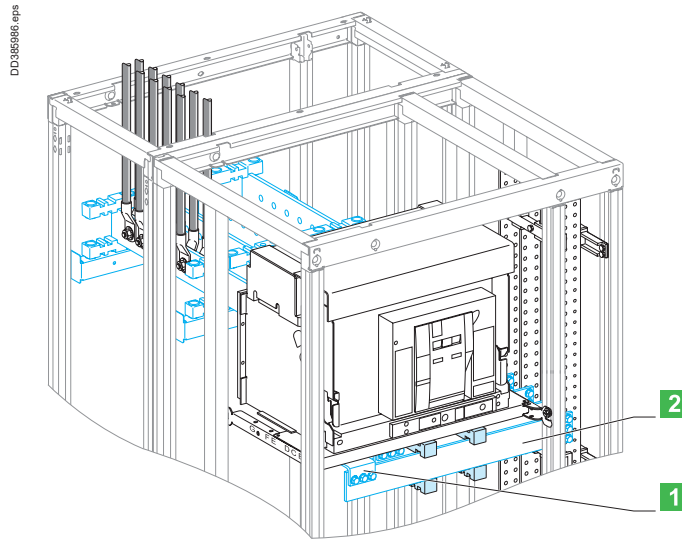
Designing connections between a device and busbars

Drawout MasterPact 08-16

Electrical characteristics

MasterPact MTZ2 08 to 16
MasterPact MTZ2 08 to 16
Drawout

Vertical busbars on the left or right
Linergy LGY, LGYE busbars
Connections drawings supplied by
Schneider Electric



- 1** Connection.
- 2** Horizontal link.

Using the data below, it is possible to determine the size of the copper bars and the maximum permissible currents when making the connections to busbars for a vertical, drawout MasterPact MTZ2 08/16, front or rear connection, taking into account the ambient temperature around the switchboard and the IP value.

Connection

Flat bars, 5 mm thick

| Device | | Permissible current (A) | | | | | |
|---------|----------------|---|-----------|-----------|-----------|-----------|-----------|
| | | Ambient temperature around the switchboard ⁽¹⁾ | | | | | |
| | | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| | | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 |
| MTZ2 08 | Size per phase | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 |
| MTZ2 10 | Size per phase | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| MTZ2 12 | Size per phase | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1230 | 1200 |
| MTZ2 16 | Size per phase | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 |
| | I (A) | 1560 | 1520 | 1480 | 1430 | 1380 | 1330 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Horizontal link

Flat bars, 5 mm thick

| Device | | Permissible current (A) | | | | | |
|---------|----------------|--|-----------|-----------|-----------|-----------|-----------|
| | | Ambient temperature around the switchboard | | | | | |
| | | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| | | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 |
| MTZ2 08 | Size per phase | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 |
| MTZ2 10 | Size per phase | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| MTZ2 12 | Size per phase | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1230 | 1200 |
| MTZ2 16 | Size per phase | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 |
| | I (A) | 1560 | 1520 | 1480 | 1430 | 1380 | 1330 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

(1) In the case of a door mounted at the rear of cubicle, add 10 °C.

Note: The values indicated above have been validated for PrismaSet P switchboards.

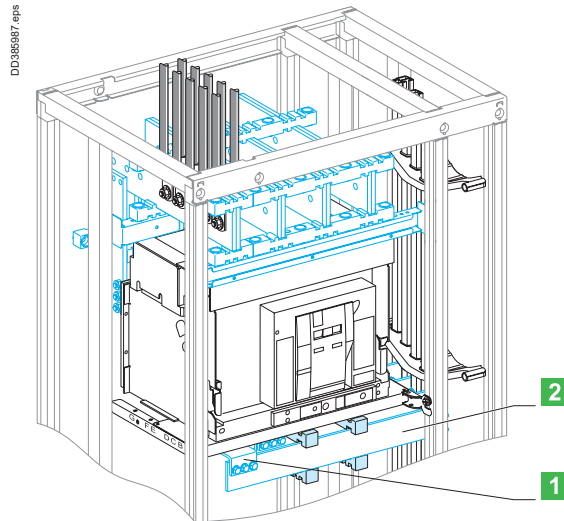
Designing connections between a device and busbars

Drawout MasterPact 08-32

Electrical characteristics

MasterPact MTZ2 08 to 32 MasterPact MTZ2 08 to 32 Drawout

Vertical busbars on the left or right
Linergy LGYE, LGY busbars
Connections drawings supplied by
Schneider Electric



- 1** Connection.
- 2** Horizontal link.

Using the data below, it is possible to determine the size of the copper bars and the maximum permissible currents when making the connections to busbars for a vertical, drawout MasterPact MTZ2 08/32, front or rear connection, taking into account the ambient temperature around the switchboard and the IP value.

Connection

Flat bars, 10 mm thick

| Device | | Permissible current (A) | | | | | |
|---------|----------------|--|------------|------------|------------|------------|------------|
| | | Ambient temperature around the switchboard | | | | | |
| | | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| | | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 |
| MTZ2 08 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 |
| MTZ2 10 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| MTZ2 12 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 1250 | 1250 | 1250 | 1210 | 1180 | 1140 |
| MTZ2 16 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 1560 | 1520 | 1480 | 1430 | 1380 | 1330 |
| MTZ2 20 | Size per phase | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 |
| | I (A) | 2000 | 2000 | 2000 | 1950 | 1900 | 1830 |
| MTZ2 25 | Size per phase | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 |
| | I (A) | 2470 | 2410 | 2350 | 2280 | 2210 | 2140 |
| MTZ2 32 | Size per phase | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 |
| | I (A) | 2960 | 2890 | 2820 | 2730 | 2630 | 2530 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Horizontal link

Flat bars, 10 mm thick

| Device | | Permissible current (A) | | | | | |
|---------|----------------|--|------------|------------|------------|------------|------------|
| | | Ambient temperature around the switchboard | | | | | |
| | | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| | | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 |
| MTZ2 08 | Size per phase | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 |
| MTZ2 10 | Size per phase | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| MTZ2 12 | Size per phase | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 |
| | I (A) | 1250 | 1250 | 1250 | 1210 | 1180 | 1140 |
| MTZ2 16 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 1560 | 1520 | 1480 | 1430 | 1380 | 1330 |
| MTZ2 20 | Size per phase | 2b 60 x 10 | 2b 60 x 10 | 2b 60 x 10 | 2b 60 x 10 | 2b 60 x 10 | 2b 60 x 10 |
| | I (A) | 2000 | 2000 | 2000 | 1950 | 1900 | 1830 |
| MTZ2 25 | Size per phase | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 |
| | I (A) | 2470 | 2410 | 2350 | 2280 | 2210 | 2140 |
| MTZ2 32 | Size per phase | 2b 100x10 | 2b 100x10 | 2b 100x10 | 2b 100x10 | 2b 100x10 | 2b 100x10 |
| | I (A) | 2960 | 2890 | 2820 | 2730 | 2630 | 2530 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Note: The values indicated above have been validated for PrismaSeT P switchboards.

Designing connections between a device and busbars

Dedicated cubicle

Fixed MasterPact 08-32

Electrical characteristics

MasterPact MTZ2 08 to 32

MasterPact MTZ2 08 to 32

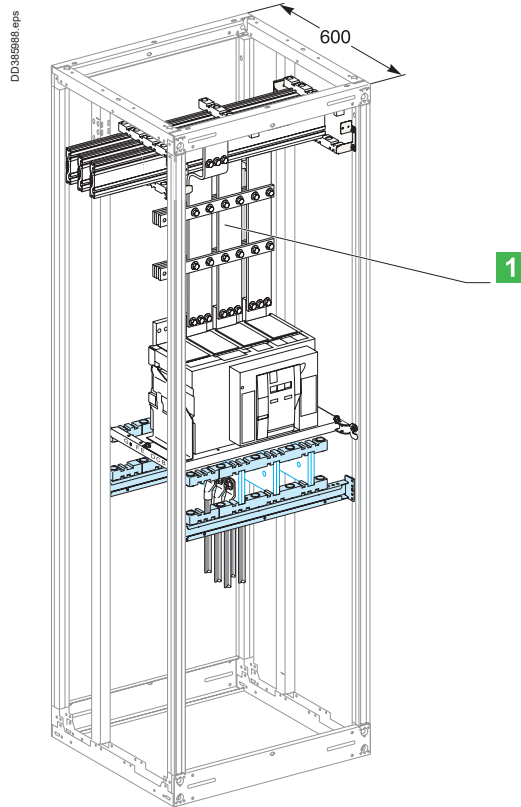
Fixed

Dedicated cubicle

Lineray LGYE busbar

Connections drawings supplied by

Schneider Electric



Connection

Flat bars, 10 mm thick

| Device | | Permissible current (A) | | | | | |
|---------|----------------|--|------------|------------|------------|------------|------------|
| | | Ambient temperature around the switchboard | | | | | |
| | | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| | | IP ≤ 31 | | | | | |
| MTZ2 08 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 |
| MTZ2 10 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| MTZ2 12 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 |
| MTZ2 16 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 1600 | 1600 | 1600 | 1570 | 1520 | 1470 |
| MTZ2 20 | Size per phase | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 |
| | I (A) | 2000 | 2000 | 2000 | 2000 | 2000 | 1950 |
| MTZ2 25 | Size per phase | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 |
| | I (A) | 2500 | 2500 | 2500 | 2500 | 2500 | 2460 |
| MTZ2 32 | Size per phase | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 |
| | I (A) | 3200 | 3170 | 3080 | 3000 | 2910 | 2820 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Designing connections between a device and busbars

Dedicated cubicle

Drawout MasterPact 08-32

Electrical characteristics

MasterPact MTZ2 08 to 32

MasterPact MTZ2 08 to 32

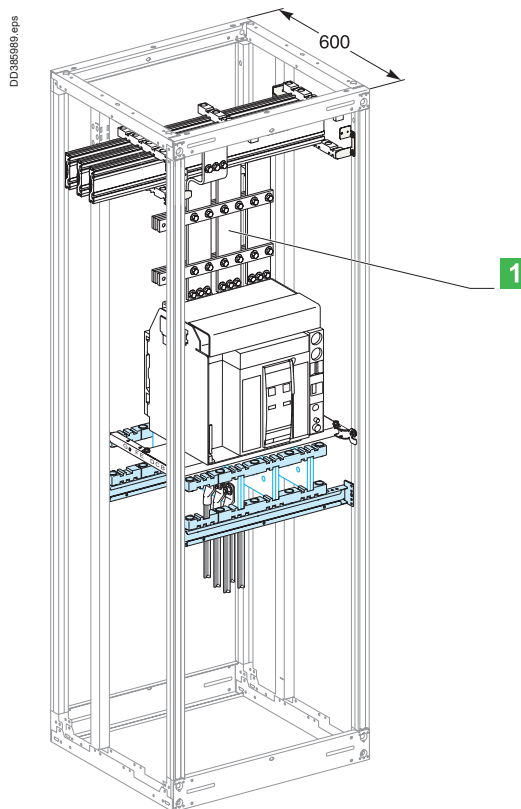
Drawout

Dedicated cubicle

Lineray LGYE busbar

Connections drawings supplied by

Schneider Electric



Connection

Flat bars, 10 mm thick

| Device | | Permissible current (A) | | | | | |
|---------|----------------|--|------------|------------|------------|------------|------------|
| | | Ambient temperature around the switchboard | | | | | |
| | | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| | | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 |
| MTZ2 08 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 |
| MTZ2 10 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| MTZ2 12 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 1250 | 1250 | 1250 | 1210 | 1180 | 1140 |
| MTZ2 16 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 1560 | 1520 | 1480 | 1430 | 1380 | 1330 |
| MTZ2 20 | Size per phase | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 |
| | I (A) | 2000 | 2000 | 2000 | 1950 | 1900 | 1830 |
| MTZ2 25 | Size per phase | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 |
| | I (A) | 2470 | 2410 | 2350 | 2280 | 2210 | 2140 |
| MTZ2 32 | Size per phase | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 | 3b 80 x 10 |
| | I (A) | 2960 | 2890 | 2820 | 2730 | 2630 | 2530 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Designing connections between a device and busbars

Horizontal, fixed

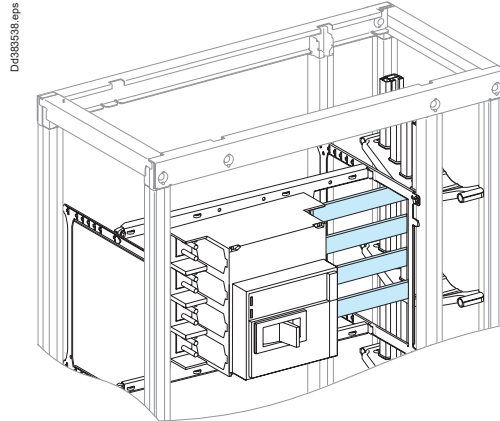
ComPacT NS630b to NS1000

Electrical characteristics

ComPacT NS630b to NS1000

Horizontal mounting

Vertical Linergy LGYE, LGY, BS busbars



Using the data below, it is possible to determine the size of the copper bars and the maximum permissible currents when making the connections to busbars for a horizontal, fixed ComPacT NS630b/NS1000, taking into account the ambient temperature around the switchboard and the IP value.

Flat bars, 5 mm thick

| Device | | Permissible current (A) | | | | | |
|--------|----------------|--|-----------|-----------|-----------|-----------|-----------|
| | | Ambient temperature around the switchboard | | | | | |
| | | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| | | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 |
| NS630b | Size per phase | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 |
| | I (A) | 630 | 630 | 630 | 630 | 630 | 630 |
| NS800 | Size per phase | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 |
| NS1000 | Size per phase | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Flat bars, 10 mm thick

| Device | | Permissible current (A) | | | | | |
|--------|----------------|--|------------|------------|------------|------------|------------|
| | | Ambient temperature around the switchboard | | | | | |
| | | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| NS630b | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 |
| | I (A) | 630 | 630 | 630 | 630 | 630 | 630 |
| NS800 | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 |
| NS1000 | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Note: The values indicated above have been validated for PrismaSeT P switchboards.

Designing connections ≤ 630 A

Device connections

Electrical characteristics

Flexible copper bars with an insulating sheath

Switchboards that comply with standard IEC 61439-1 and 2

It is imperative to use the values indicated below that have been validated for the installation of devices in PrismaSeT switchboards.

The parameters determining the size of flexible bars are:

- The environment in which the devices are installed:
 - Position in the enclosure
 - Dimensions of other conductors in the circuit
 - Ambient temperature around the switchboard
- The characteristics of the connected devices:
 - Device heat losses
 - The type of installation (horizontal or vertical)
 - The type of device (fixed or withdrawable)

Only the equipment manufacturer with in-depth knowledge on:

- The characteristics of the installed devices
- The configuration of the installation in the enclosure can provide the correct sizes of flexible bars for a given permissible current.

Insulated, flexible bars make for easy, fast and flexible implementation up to 630 A, but higher ratings require sizes that cancel these advantages.

For high I_{sc} values, it is advised to use rigid bars which require fewer supports.

Insulated flexible bars are better than cables, they offer:

- Better insulation temperature withstand (125 °C for bars, 105 °C for cables) and a larger exchange surface for an equivalent size, i.e. a smaller size for a given current.
- Greater rigidity offering better electrodynamic characteristics for short-circuit currents.
- No intermediate parts (lugs) for a direct connection between the device and the busbars therefore less temperature rise and less risk of error.
- Fast implementation of prefabricated connections already cut to length, formed and drilled.
- Length limited to 500 mm.

Technical characteristics

- Thickness of the insulation: variable depending on the bar size, 2 mm on average
- Rated insulation level $U_i = 1000$ V
- Impulse withstand voltage $U_{imp} = 12$ kV
- Maximum withstand temperature of insulating material = 125 °C.

Note: The values indicated above have been validated for PrismaSeT P switchboards.

D

Designing connections ≤ 630 A

ComPacT circuit breakers NSX100 to NSX630

Insulated flexible copper bars ⁽¹⁾

Electrical characteristics

ComPacT NSX100 to NSX630

Insulated flexible copper bars (withstand temperature = 125 °C)

We recommend insulated flexible copper bars for ComPacT NSX connections from 100 to 630 A

| Devices | | Permissible current (A) | | | | | |
|--------------------------------|----------------|--|--------|--------|--------|--------|--------|
| | | Ambient temperature around the switchboard | | | | | |
| | | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| IP ≤ 31 | | | | | | | |
| NSX100 TMD-TMG | Size per phase | 20 x 2 | 20 x 2 | 20 x 2 | 20 x 2 | 20 x 2 | 20 x 2 |
| | I_{nc} (A) | 100 | 100 | 100 | 97.5 | 95 | 92.5 |
| NSX125 TMD-TMG | Size per phase | 20 x 2 | 20 x 2 | 20 x 2 | 20 x 2 | 20 x 2 | 20 x 2 |
| | I_{nc} (A) | 125 | 125 | 125 | 122 | 119 | 115 |
| NSX160 TMD-TMG | Size per phase | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 |
| | I_{nc} (A) | 160 | 160 | 160 | 156 | 152 | 148 |
| NSX250 TMD-TMG | Size per phase | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 |
| | I_{nc} (A) | 250 | 244 | 238 | 231 | 225 | 219 |
| NSX100 STR | Size per phase | 20 x 2 | 20 x 2 | 20 x 2 | 20 x 2 | 20 x 2 | 20 x 2 |
| | I_{nc} (A) | 100 | 100 | 100 | 100 | 100 | 100 |
| NSX160 STR | Size per phase | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 |
| | I_{nc} (A) | 160 | 160 | 160 | 160 | 160 | 160 |
| NSX250 STR | Size per phase | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 | 20 x 3 |
| | I_{nc} (A) | 250 | 245 | 237 | 230 | 225 | 220 |
| NSX400B/F/N/H/S/L fixed | Size per phase | 32 x 5 | 32 x 5 | 32 x 5 | 32 x 5 | 32 x 5 | 32 x 5 |
| | I_{nc} (A) | 400 | 400 | 400 | 390 | 380 | 370 |
| NSX630B/F/N/H/S/L fixed | Size per phase | 32 x 6 | 32 x 6 | 32 x 6 | 32 x 6 | 32 x 6 | 32 x 6 |
| | I_{nc} (A) | 630 | 615 | 600 | 585 | 570 | 550 |

Note: The values indicated above have been validated for PrismaSeT P switchboards.

(1) We recommend insulated flexible copper bars instead of copper cables for all NSX100 to NSX630 connection.

Designing connections ≤ 630 A

ComPacT circuit breakers NSX100 to NSX250

Copper cable

Electrical characteristics

Cables: practical guidelines

This section doesn't concern customer's loads connection (see IEC 61439-1, IEC 60364).

Schneider Electric provides cabling recommendations according to the rating of the circuit breaker.

The size of cables must be selected according to:

- The level of current
- The ambient temperature around the conductors
- The degree of protection for the switchboard

The tables below take into account the installation conditions for each type of device (permissible temperature at connection terminals, etc.).

- Switchboard internal temperature 60 °C
- Connections using copper cables

The withstand temperature of insulating material of cable = 105 °C.

The withstand voltage of insulating material of cable ≥ 1000 V.

ComPacT NSX100 to NSX250

Copper cable, withstand temperature = 105 °C

| Devices | | Permissible current (A) | | | | | |
|--------------------------------|---------------------|--|---------------------|---------------------|---------------------|---------------------|---------------------|
| | | Ambient temperature around the switchboard | | | | | |
| | | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| IP ≤ 31 | | | | | | | |
| NSX100 TMD-TMG | Size per phase | 50 mm ² | 50 mm ² | 50 mm ² | 50 mm ² | 50 mm ² | 50 mm ² |
| | I _{nc} (A) | 100 | 100 | 100 | 97.5 | 95 | 92.5 |
| NSX125 TMD-TMG | Size per phase | 70 mm ² | 70 mm ² | 70 mm ² | 70 mm ² | 70 mm ² | 70 mm ² |
| | I _{nc} (A) | 125 | 125 | 125 | 122 | 119 | 115 |
| NSX160 TMD-TMG | Size per phase | 95 mm ² | 95 mm ² | 95 mm ² | 95 mm ² | 95 mm ² | 95 mm ² |
| | I _{nc} (A) | 160 | 160 | 160 | 156 | 152 | 148 |
| NSX250 TMD-TMG | Size per phase | 120 mm ² | 120 mm ² | 120 mm ² | 120 mm ² | 120 mm ² | 120 mm ² |
| | I _{nc} (A) | 250 | 244 | 238 | 231 | 225 | 219 |
| NSX100 STR | Size per phase | 50 mm ² | 50 mm ² | 50 mm ² | 50 mm ² | 50 mm ² | 50 mm ² |
| | I _{nc} (A) | 100 | 100 | 100 | 100 | 100 | 100 |
| NSX160 STR | Size per phase | 95 mm ² | 95 mm ² | 95 mm ² | 95 mm ² | 95 mm ² | 95 mm ² |
| | I _{nc} (A) | 160 | 160 | 160 | 160 | 160 | 160 |
| NSX250 STR | Size per phase | 120 mm ² | 120 mm ² | 120 mm ² | 120 mm ² | 120 mm ² | 120 mm ² |
| | I _{nc} (A) | 250 | 245 | 237 | 230 | 225 | 220 |

Note: The values indicated above have been validated for PrismaSeT P switchboards.

Note: Schneider Electric recommends connecting ComPacT NSX400/630 circuit breakers with insulated flexible bars or rigid bars > page D-144.

D

Designing connections ≤ 630 A

ComPacT circuit breakers NSXm up to 160

Copper cable

Electrical characteristics

ComPacT NSXm up to 160

Copper cable, withstand temperature = 105°C

| Devices | | Permissible current (A) | | | | | |
|--------------------------------|-----------------------------------|--|-------|-------|-------|-------|-------|
| | | Ambient temperature around the switchboard | | | | | |
| | | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| IP ≤ 31 | | | | | | | |
| NSXm100 | Size per phase (mm ²) | 50 | 50 | 50 | 50 | 50 | 50 |
| | I _{nc} (A) | 100 | 100 | 96 | 94 | 90 | 87 |
| NSXm125 | Size per phase (mm ²) | 70 | 70 | 70 | 70 | 70 | 70 |
| | I _{nc} (A) | 125 | 125 | 120 | 117 | 113 | 109 |
| NSXm160 | Size per phase (mm ²) | 95 | 95 | 95 | 95 | 95 | 95 |
| | I _{nc} (A) | 160 | 155 | 149 | 144 | 139 | 133 |

Note: The values indicated above have been validated for PrismaSeT P switchboards.

Designing cable connections

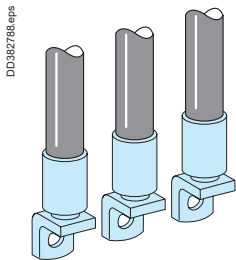
Tubular lugs

Electrical characteristics

Tubular lugs for incoming connection blocks

Maximum size of lugs for connection to the different incoming connection blocks.

| | Standard Cu lugs | Narrow Cu lugs | Narrow bimetal lugs |
|---|---------------------|---------------------|---------------------|
| Incoming connection block for ComPacT NSX-INS-INV250 supplied via the top or the bottom, cat. no. LVS04066 and LVS04067 | 150 mm ² | 240 mm ² | 185 mm ² |
| In-duct incoming connection block for ComPacT NSX630 supplied via the top or the bottom cat. no. LVS04076 | 240 mm ² | 300 mm ² | 300 mm ² |



Narrow bimetal lugs

Cat. no. selection

| Cat. no. | Cable size (mm ²) | Quantity |
|--|-------------------------------|----------|
| Lugs for aluminium cable ⁽¹⁾ | | |
| 29504 | 150 | 3 |
| 29505 | 150 | 4 |
| 29506 | 185 | 3 |
| 29507 | 185 | 4 |
| 32504 | 240 | 3 |
| 32505 | 240 | 4 |
| 32506 | 300 | 3 |
| 32507 | 300 | 4 |

Customer connection of devices ≥ 630 A

Maximum size and number of cables for connection to terminal extension bars (according to busbar drawing supplied) for customer connection of ComPacT NSX and MasterPact MTZ1 /MTZ2 devices.

| | Cable size (mm ²) | Quantity |
|----------------------------------|-------------------------------|----------|
| Size and number of cables | | |
| Copper lugs | 300 | 12 |
| Bimetal lugs | 240 | 12 |

(1) Supplied with 2 or 3 interphase barriers.



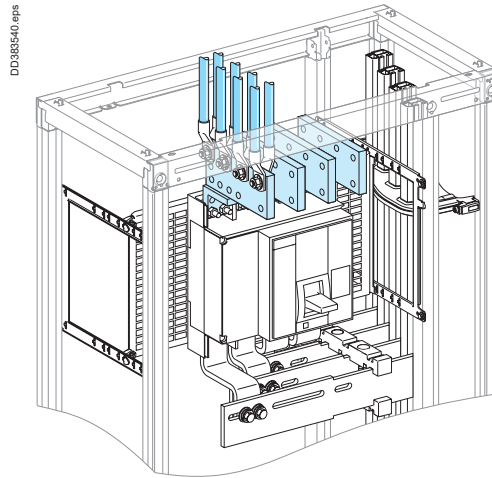
Designing customer connections

Prefabricated connections for ComPacT NS630b to NS1600

Electrical characteristics

ComPacT NS630b to NS1600

Vertical mounting
Front or rear connection
Incoming via top or bottom



Using the data below, it is possible to determine the permissible current for a prefabricated connection between a vertical ComPacT NS630b/NS1600, fixed or withdrawable, and Linergy busbars depending on the ambient temperature around the switchboard and the IP value.

Fixed

Prefabricated connections

| Device and cat. no. | Permissible current (A) | | | | | |
|---|--|------------------|------------------|------------------|------------------|------------------|
| | Ambient temperature around the switchboard | | | | | |
| | 25 °C IP ≤ 31 | 30 °C IP ≤ 31 | 35 °C IP ≤ 31 | 40 °C IP ≤ 31 | 45 °C IP ≤ 31 | 50 °C IP ≤ 31 |
| NS630b 3P cat. no. 33642 4P cat. no. 33643 | 630 | 630 | 630 | 630 | 630 | 630 |
| NS800 3P cat. no. 33642 4P cat. no. 33643 | 800 | 800 | 800 | 800 | 800 | 800 |
| NS1000 3P cat. no. 33642 4P cat. no. 33643 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| NS1250 3P réf. 33642 + 33644 4P réf. 33643 + 33645 | 1250 | 1250 | 1250 | 1250 | 1250 | 1200 |
| NS1600 3P réf. 33642 + 33644 4P réf. 33643 + 33645 | 1600 | 1600 | 1550 | 1500 | 1450 | 1400 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Withdrawable

Prefabricated connections

| Device and cat. no. | Permissible current (A) | | | | | |
|---|--|------------------|------------------|------------------|------------------|------------------|
| | Ambient temperature around the switchboard | | | | | |
| | 25 °C IP ≤ 31 | 30 °C IP ≤ 31 | 35 °C IP ≤ 31 | 40 °C IP ≤ 31 | 45 °C IP ≤ 31 | 50 °C IP ≤ 31 |
| NS630b 3P cat. no. 33642 4P cat. no. 33643 | 630 | 630 | 630 | 630 | 630 | 630 |
| NS800 3P cat. no. 33642 4P cat. no. 33643 | 800 | 800 | 800 | 800 | 800 | 800 |
| NS1000 3P cat. no. 33642 4P cat. no. 33643 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| NS1250 3P réf. 33642 + 33644 4P réf. 33643 + 33645 | 1250 | 1250 | 1250 | 1250 | 1250 | 1200 |
| NS1600 3P réf. 33642 + 33644 4P réf. 33643 + 33645 | 1560 | 1520 | 1480 | 1430 | 1380 | 1330 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Note: The values indicated above have been validated for PrismaSeT P switchboards.

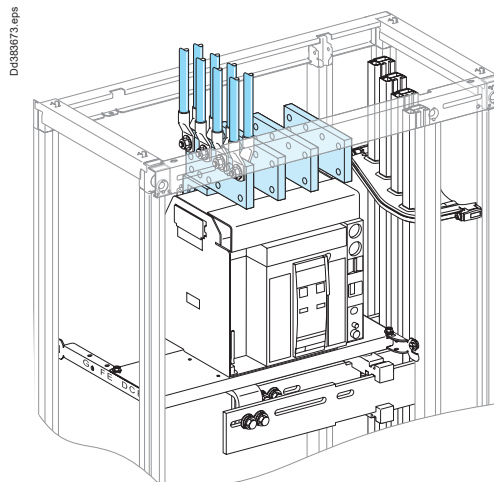
Designing customer connections

Prefabricated connections for MasterPact 06-16

Electrical characteristics

MasterPact MTZ1 06 to 16

- Vertical mounting
- Front or rear connection
- Incoming via top or bottom



Using the data below, it is possible to determine the permissible current for a prefabricated connection between a vertical MasterPact MTZ1 06/16, fixed or drawout, and Linergy busbars depending on the ambient temperature around the switchboard and the IP value.



Fixed

Prefabricated connections

| Device and cat. no. | Permissible current (A) | | | | | |
|--|--|---------|---------|---------|---------|---------|
| | Ambient temperature around the switchboard | | | | | |
| | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 |
| MTZ1 06 3P cat. no. 33642 4P cat. no. 33643 | 630 | 630 | 630 | 630 | 630 | 630 |
| MTZ1 08 3P cat. no. 33642 4P cat. no. 33643 | 800 | 800 | 800 | 800 | 800 | 800 |
| MTZ1 10 3P cat. no. 33642 4P cat. no. 33643 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| MTZ1 12 3P réf. 33642 + 33644 4P réf. 33643 + 33645 | 1250 | 1250 | 1250 | 1250 | 1250 | 1200 |
| MTZ1 16 3P réf. 33642 + 33644 4P réf. 33643 + 33645 | 1600 | 1600 | 1570 | 1520 | 1470 | 1420 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Withdrawable

Prefabricated connections

| Device and cat. no. | Permissible current (A) | | | | | |
|--|--|---------|---------|---------|---------|---------|
| | Ambient temperature around the switchboard | | | | | |
| | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 |
| MTZ1 06 3P cat. no. 33642 4P cat. no. 33643 | 630 | 630 | 630 | 630 | 630 | 630 |
| MTZ1 08 3P cat. no. 33642 4P cat. no. 33643 | 800 | 800 | 800 | 800 | 800 | 800 |
| MTZ1 10 3P cat. no. 33642 4P cat. no. 33643 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| MTZ1 12 3P réf. 33642 + 33644 4P réf. 33643 + 33645 | 1250 | 1250 | 1250 | 1250 | 1250 | 1200 |
| MTZ1 16 3P réf. 33642 + 33644 4P réf. 33643 + 33645 | 1560 | 1520 | 1480 | 1430 | 1380 | 1330 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Note: The values indicated above have been validated for PrismaSeT P switchboards.

Designing customer connections

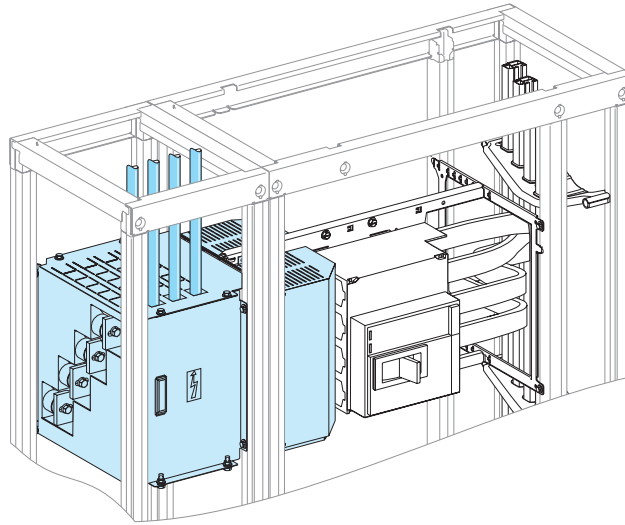
Connection transfer assembly for fixed ComPacT NS630b to NS1000

Electrical characteristics

ComPacT NS630b to NS1000, fixed

- Horizontal mounting
- Front or rear connection
- Installation on the left or right

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Using the data below, it is possible to determine the permissible current for a prefabricated connection between a horizontal, fixed ComPacT NS630b/NS1000 and Linergy busbars depending on the ambient temperature around the switchboard and the IP value.

Connection transfer assemblies

| Device and cat. no. | | Permissible current (A) | | | | | |
|---------------------|-----------------------------|--|---------|---------|---------|---------|---------|
| | | Ambient temperature around the switchboard | | | | | |
| | | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| | | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 |
| NS630b | 3P cat. no. LVS04483 | 630 | 630 | 630 | 630 | 630 | 630 |
| | 4P cat. no. LVS04484 | | | | | | |
| NS800 | 3P cat. no. LVS04483 | 800 | 800 | 800 | 800 | 800 | 800 |
| | 4P cat. no. LVS04484 | | | | | | |
| NS1000 | 3P cat. no. LVS04483 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| | 4P cat. no. LVS04484 | | | | | | |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Note: The values indicated above have been validated for PrismaSeT P switchboards.

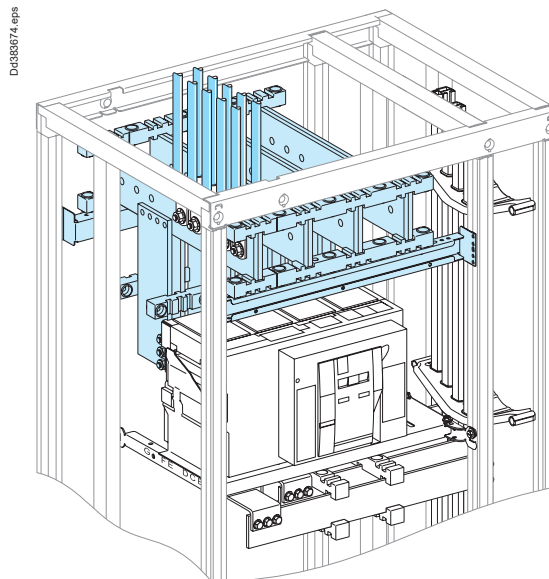
Designing customer connections

Fixed MasterPact 08-16

Electrical characteristics

MasterPact MTZ2 08 to 16 Fixed

- Vertical mounting
- Front or rear connection
- Incoming via top or bottom
- Busbar drawings supplied by Schneider Electric



Using the data below, it is possible to determine the size of the copper bars and the maximum permissible currents when making a front or rear customer connection for a vertical, fixed MasterPact MTZ1 06/16, taking into account the ambient temperature around the switchboard and the IP value. Connection to be made according to the busbar drawings supplied. For connection cable cross-sections and quantities > [page D-147](#).

Customer connection

Flat bars, 5 mm thick

| Device | | Permissible current (A) | | | | | |
|---------|----------------|--|-----------|-----------|-----------|-----------|-----------|
| | | Ambient temperature around the switchboard | | | | | |
| | | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| | | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 |
| MTZ2 08 | Size per phase | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 |
| MTZ2 10 | Size per phase | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| MTZ2 12 | Size per phase | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 |
| MTZ2 16 | Size per phase | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 |
| | I (A) | 1600 | 1600 | 1600 | 1570 | 1520 | 1470 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Note: The values indicated above have been validated for PrismaSet P switchboards.

Designing customer connections

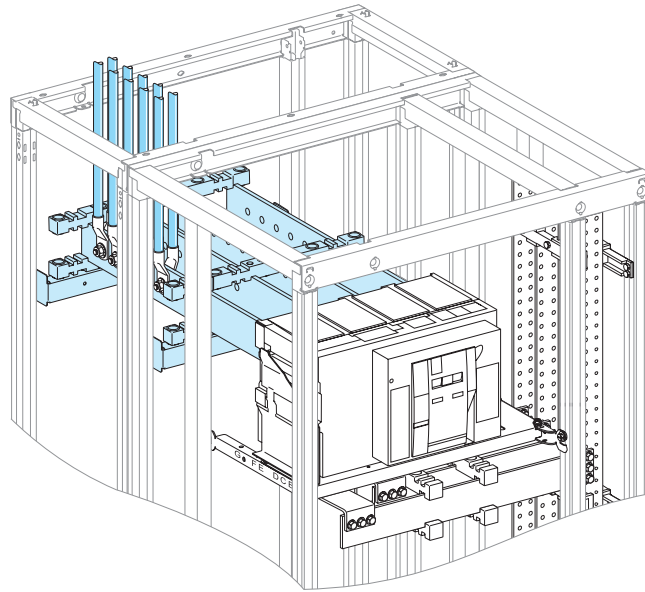
Fixed MasterPact 08-32

Electrical characteristics

MasterPact MTZ2 08 to 32 Fixed

- Vertical mounting
- Front or rear connection
- Incoming via top or bottom
- Busbar drawings supplied by Schneider Electric

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Customer connection

Flat bars, 10 mm thick

| Device | | Permissible current (A) | | | | | |
|---------|----------------|--|------------|------------|------------|------------|------------|
| | | Ambient temperature around the switchboard | | | | | |
| | | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| | | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 |
| MTZ2 08 | Size per phase | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 |
| MTZ2 10 | Size per phase | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| MTZ2 12 | Size per phase | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 |
| MTZ2 16 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 1600 | 1600 | 1600 | 1570 | 1520 | 1470 |
| MTZ2 20 | Size per phase | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 |
| | I (A) | 2000 | 2000 | 2000 | 2000 | 2000 | 1950 |
| MTZ2 25 | Size per phase | 2b100 x 10 | 2b100 x 10 | 2b100 x 10 | 2b100 x 10 | 2b100 x 10 | 2b100 x 10 |
| | I (A) | 2500 | 2500 | 2500 | 2500 | 2500 | 2460 |
| MTZ2 32 | Size per phase | 2b120 x 10 | 2b120 x 10 | 2b120 x 10 | 2b120 x 10 | 2b120 x 10 | 2b120 x 10 |
| | I (A) | 3200 | 3170 | 3080 | 3000 | 2910 | 2820 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Canalis connection

For Canalis connections, apply the appropriate derating coefficient K.

| Device | MTZ2 08 | MTZ2 10 | MTZ2 12 | MTZ2 16 | MTZ2 20 | MTZ2 25 | MTZ2 32 |
|------------------------|---------|---------|---------|---------|---------|---------|---------|
| Derating coefficient K | 1 | 1 | 1 | 0,98 | 0,98 | 0,97 | 0,97 |

Note: The values indicated above have been validated for PrismaSeT P switchboards.

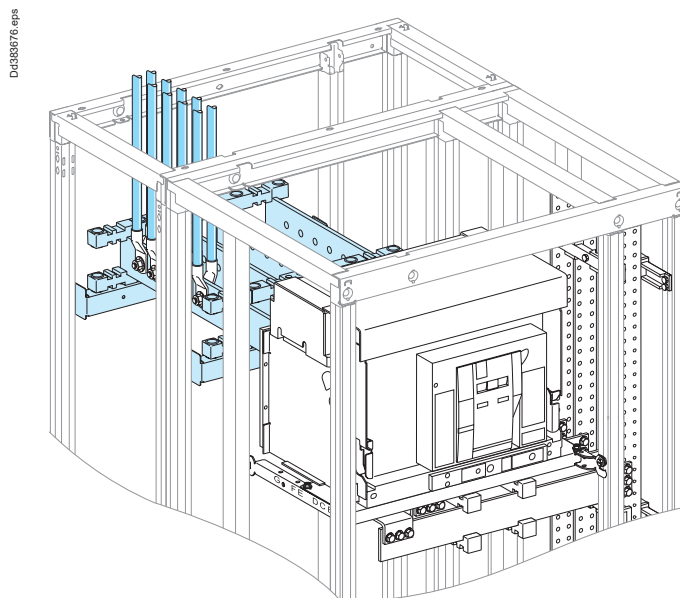
Designing customer connections

Drawout MasterPact 08-16

Electrical characteristics

MasterPact MTZ2 08 to 16 Drawout

- Vertical mounting
- Front or rear connection
- Incoming via top or bottom
- Busbar drawings supplied by Schneider Electric



Using the data below, it is possible to determine the size of the copper bars and the maximum permissible currents when making a front or rear customer connections to busbars for a vertical, drawout MasterPact MTZ1 08/16, taking into account the ambient temperature around the switchboard and the IP value. Connection to be made according to the busbar drawings supplied. For connection cable cross-sections and quantities > [page D-147](#).

Customer connection

Flat bars, 5 mm thick

| Device | | Permissible current (A) | | | | | |
|---------|----------------|--|-----------|-----------|-----------|-----------|-----------|
| | | Ambient temperature around the switchboard | | | | | |
| | | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| | | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 |
| MTZ2 08 | Size per phase | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 |
| MTZ2 10 | Size per phase | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 | 2b 60 x 5 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| MTZ2 12 | Size per phase | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1230 | 1200 |
| MTZ2 16 | Size per phase | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 |
| | I (A) | 1560 | 1520 | 1480 | 1430 | 1380 | 1330 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.
Note: The values indicated above have been validated for PrismaSeT P switchboards.

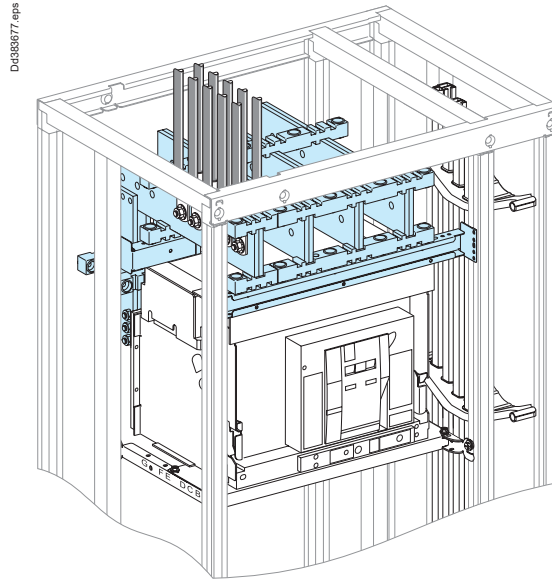
Designing customer connections

MasterPact 08-32 withdrawable

Electrical characteristics

MasterPact MTZ2 08 to 32 Drawout

- Vertical mounting
- Front or rear connection
- Incoming via top or bottom
- Busbar drawings supplied by Schneider Electric



Customer connection

Flat bars, 10 mm thick

| Device | | Permissible current (A) | | | | | |
|---------|----------------|--|------------|------------|------------|------------|------------|
| | | Ambient temperature around the switchboard | | | | | |
| | | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| | | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 |
| MTZ2 08 | Size per phase | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 |
| MTZ2 10 | Size per phase | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| MTZ2 12 | Size per phase | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 | 1b 60 x 10 |
| | I (A) | 1250 | 1250 | 1250 | 1210 | 1180 | 1140 |
| MTZ2 16 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 1560 | 1520 | 1480 | 1430 | 1380 | 1330 |
| MTZ2 20 | Size per phase | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 | 2b 80 x 10 |
| | I (A) | 2000 | 2000 | 2000 | 1950 | 1900 | 1830 |
| MTZ2 25 | Size per phase | 2b100 x 10 | 2b100 x 10 | 2b100 x 10 | 2b100 x 10 | 2b100 x 10 | 2b100 x 10 |
| | I (A) | 2470 | 2410 | 2350 | 2280 | 2210 | 2140 |
| MTZ2 32 | Size per phase | 2b120 x 10 | 2b120 x 10 | 2b120 x 10 | 2b120 x 10 | 2b120 x 10 | 2b120 x 10 |
| | I (A) | 2960 | 2890 | 2820 | 2730 | 2630 | 2530 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Canalis connection

For Canalis connections, apply the appropriate derating coefficient K.

| Device | MTZ2 08 | MTZ2 10 | MTZ2 12 | MTZ2 16 | MTZ2 20 | MTZ2 25 | MTZ2 32 |
|------------------------|---------|---------|---------|---------|---------|---------|---------|
| Derating coefficient K | 1 | 1 | 1 | 0,98 | 0,98 | 0,97 | 0,97 |

Note: The values indicated above have been validated for PrismaSeT P switchboards.

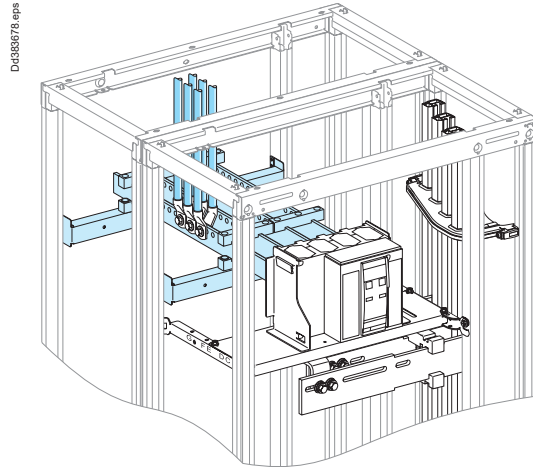
Designing customer connections

Fixed MasterPact 06-16

Electrical characteristics

MasterPact MTZ1 06 to 16 Fixed

Rear connection
Incoming via top or bottom
Busbar drawings supplied by
Schneider Electric



Using the data below, it is possible to determine the size of the copper bars and the maximum permissible currents when making a front or rear customer connections to busbars for a vertical, fixed MasterPact MTZ1 06/16, taking into account the ambient temperature around the switchboard and the IP value.
Connection to be made according to the busbar drawings supplied.
For connection cable cross-sections and quantities > [page D-147](#).



Customer connection

Flat bars, 5 mm thick

| Device | | Permissible current (A) | | | | | |
|---------|----------------|--|------------------|------------------|------------------|------------------|------------------|
| | | Ambient temperature around the switchboard | | | | | |
| | | 25 °C IP ≤ 31 | 30 °C IP ≤ 31 | 35 °C IP ≤ 31 | 40 °C IP ≤ 31 | 45 °C IP ≤ 31 | 50 °C IP ≤ 31 |
| MTZ1 06 | Size per phase | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 |
| | I (A) | 630 | 630 | 630 | 630 | 630 | 630 |
| MTZ1 08 | Size per phase | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 |
| MTZ1 10 | Size per phase | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| MTZ1 12 | Size per phase | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 |
| MTZ1 16 | Size per phase | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 |
| | I (A) | 1600 | 1600 | 1570 | 1520 | 1470 | 1420 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Customer connection

Flat bars, 10 mm thick

| Device | | Permissible current (A) | | | | | |
|---------|----------------|--|------------------|------------------|------------------|------------------|------------------|
| | | Ambient temperature around the switchboard | | | | | |
| | | 25 °C IP ≤ 31 | 30 °C IP ≤ 31 | 35 °C IP ≤ 31 | 40 °C IP ≤ 31 | 45 °C IP ≤ 31 | 50 °C IP ≤ 31 |
| MTZ1 06 | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 |
| | I (A) | 630 | 630 | 630 | 630 | 630 | 630 |
| MTZ1 08 | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 |
| MTZ1 10 | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| MTZ1 12 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1250 | 1230 |
| MTZ1 16 | Size per phase | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 |
| | I (A) | 1600 | 1600 | 1570 | 1520 | 1470 | 1420 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Canalis connection

For Canalis connections, apply the appropriate derating coefficient K.

| Device | MTZ1 06b | MTZ1 10 | MTZ1 16 |
|------------------------|----------|---------|---------|
| Derating coefficient K | 1 | 1 | 0,98 |

Note: The values indicated above have been validated for PrismaSeT P switchboards.

Designing customer connections

Drawout MasterPact 06-16

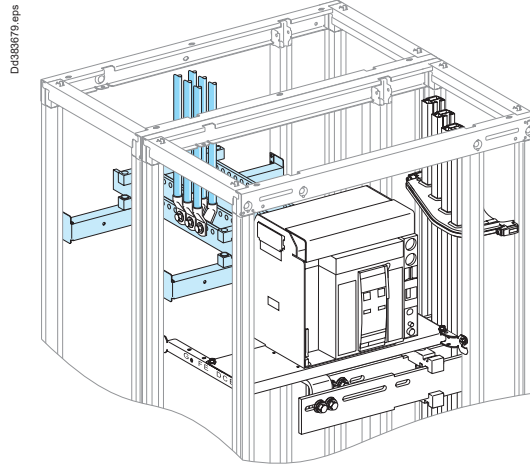
Electrical characteristics

MasterPact MTZ1 06 to 16

Rear connection

Incoming via top or bottom

Busbar drawings supplied by Schneider Electric



Using the data below, it is possible to determine the size of the copper bars and the maximum permissible currents when making a customer connections to busbars for a vertical, drawout MasterPact MTZ1 06/16, taking into account the ambient temperature around the switchboard and the IP value. Connection to be made according to the busbar drawings supplied. For connection cable cross-sections and quantities > [page D-147](#).

Customer connection

Flat bars, 5 mm thick

| Device | | Permissible current (A) | | | | | |
|---------|----------------|--|------------|------------|------------|------------|------------|
| | | Ambient temperature around the switchboard | | | | | |
| | | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| | | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 |
| MTZ1 06 | Size per phase | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 |
| | I (A) | 630 | 630 | 630 | 630 | 630 | 630 |
| MTZ1 08 | Size per phase | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 |
| MTZ1 10 | Size per phase | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| MTZ1 12 | Size per phase | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1230 | 1180 |
| MTZ1 16 | Size per phase | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 |
| | I (A) | 1560 | 1520 | 1480 | 1430 | 1380 | 1330 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Customer connection

Flat bars, 10 mm thick

| Device | | Permissible current (A) | | | | | |
|---------|----------------|--|------------|------------|------------|------------|------------|
| | | Ambient temperature around the switchboard | | | | | |
| | | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| | | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 |
| MTZ1 06 | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 |
| | I (A) | 630 | 630 | 630 | 630 | 630 | 630 |
| MTZ1 08 | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 |
| MTZ1 10 | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| MTZ1 12 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1210 | 1160 |
| MTZ1 16 | Size per phase | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 |
| | I (A) | 1560 | 1520 | 1480 | 1430 | 1380 | 1330 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Canalis connection

For Canalis connections, apply the appropriate derating coefficient K.

| Device | MTZ1 06 | MTZ1 08 | MTZ1 10 | MTZ1 12 | MTZ1 16 |
|------------------------|---------|---------|---------|---------|---------|
| Derating coefficient K | 1 | 1 | 1 | 1 | 0,98 |

Note: The values indicated above have been validated for PrismaSeT P switchboards.

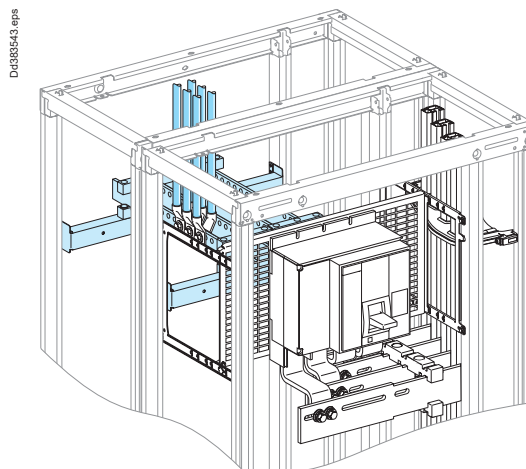
Designing customer connections

Fixed ComPacT NS630b to NS1600

Electrical characteristics

ComPacT NS630b to NS1600 Fixed

Rear connection
Incoming via top or bottom
Busbar drawings supplied by
Schneider Electric



Using the data below, it is possible to determine the size of the copper bars and the maximum permissible currents when making a rear customer connection for a vertical, fixed ComPacT NS630b/NS1600, taking into account the ambient temperature around the switchboard and the IP value.
Connection to be made according to the busbar drawings supplied.
For connection cable cross-sections and quantities > page D-147.

Customer connection

Flat bars, 5 mm thick

| Device | | Permissible current (A) | | | | | |
|--------|----------------|--|------------------|------------------|------------------|------------------|------------------|
| | | Ambient temperature around the switchboard | | | | | |
| | | 25 °C IP ≤ 31 | 30 °C IP ≤ 31 | 35 °C IP ≤ 31 | 40 °C IP ≤ 31 | 45 °C IP ≤ 31 | 50 °C IP ≤ 31 |
| NS630b | Size per phase | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 |
| | I (A) | 630 | 630 | 630 | 630 | 630 | 630 |
| NS800 | Size per phase | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 |
| NS1000 | Size per phase | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| NS1250 | Size per phase | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1250 | 1200 |
| NS1600 | Size per phase | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 |
| | I (A) | 1600 | 1600 | 1550 | 1500 | 1450 | 1400 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Customer connection

Flat bars, 10 mm thick

| Device | | Permissible current (A) | | | | | |
|--------|----------------|--|------------------|------------------|------------------|------------------|------------------|
| | | Ambient temperature around the switchboard | | | | | |
| | | 25 °C IP ≤ 31 | 30 °C IP ≤ 31 | 35 °C IP ≤ 31 | 40 °C IP ≤ 31 | 45 °C IP ≤ 31 | 50 °C IP ≤ 31 |
| NS630b | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 |
| | I (A) | 630 | 630 | 630 | 630 | 630 | 630 |
| NS800 | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 |
| NS1000 | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| NS1250 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1230 | 1180 |
| NS1600 | Size per phase | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 |
| | I (A) | 1600 | 1600 | 1550 | 1500 | 1450 | 1400 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Canalis connection

For Canalis connections, apply the appropriate derating coefficient K.

| Device | NS630b | NS800 | NS1000 | NS1250 | NS1600 |
|------------------------|--------|-------|--------|--------|--------|
| Derating coefficient K | 1 | 1 | 1 | 1 | 0,98 |

Note: The values indicated above have been validated for PrismaSeT P switchboards.

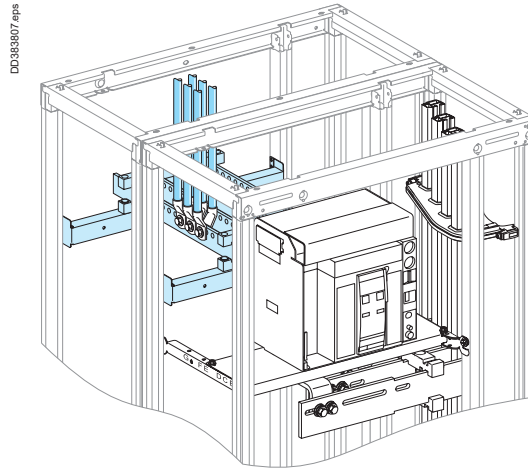
Designing customer connections

Withdrawable ComPacT NS630b to NS1600

Electrical characteristics

ComPacT NS630b to NS1600 Withdrawable

Rear connection
Incoming via top or bottom
Busbar drawings supplied by
Schneider Electric



Using the data below, it is possible to determine the size of the copper bars and the maximum permissible currents when making a rear customer connection for a vertical, withdrawable ComPacT NS630b/NS1600, taking into account the ambient temperature around the switchboard and the IP value. Connection to be made according to the busbar drawings supplied. For connection cable cross-sections and quantities > [page D-147](#).

Customer connection

Flat bars, 5 mm thick

| Device | | Permissible current (A) | | | | | |
|--------|----------------|--|------------------|------------------|------------------|------------------|------------------|
| | | Ambient temperature around the switchboard | | | | | |
| | | 25 °C IP ≤ 31 | 30 °C IP ≤ 31 | 35 °C IP ≤ 31 | 40 °C IP ≤ 31 | 45 °C IP ≤ 31 | 50 °C IP ≤ 31 |
| NS630b | Size per phase | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 | 1b 60 x 5 |
| | I (A) | 630 | 630 | 630 | 630 | 630 | 630 |
| NS800 | Size per phase | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 | 1b 80 x 5 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 |
| NS1000 | Size per phase | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| NS1250 | Size per phase | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 | 2b 80 x 5 |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1230 | 1180 |
| NS1600 | Size per phase | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 | 2b 100 x 5 |
| | I (A) | 1560 | 1520 | 1480 | 1430 | 1380 | 1330 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Customer connection

Flat bars, 10 mm thick

| Device | | Permissible current (A) | | | | | |
|--------|----------------|--|------------------|------------------|------------------|------------------|------------------|
| | | Ambient temperature around the switchboard | | | | | |
| | | 25 °C IP ≤ 31 | 30 °C IP ≤ 31 | 35 °C IP ≤ 31 | 40 °C IP ≤ 31 | 45 °C IP ≤ 31 | 50 °C IP ≤ 31 |
| NS630b | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 |
| | I (A) | 630 | 630 | 630 | 630 | 630 | 630 |
| NS800 | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 |
| NS1000 | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| NS1250 | Size per phase | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 | 1b 80 x 10 |
| | I (A) | 1250 | 1250 | 1250 | 1250 | 1210 | 1160 |
| NS1600 | Size per phase | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 | 1b100 x 10 |
| | I (A) | 1560 | 1520 | 1480 | 1430 | 1380 | 1330 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Canalis connection

For Canalis connections, apply the appropriate derating coefficient K.

| Device | NS630b | NS800 | NS1000 | NS1250 | NS1600 |
|------------------------|--------|-------|--------|--------|--------|
| Derating coefficient K | 1 | 1 | 1 | 1 | 0,98 |

Note: The values indicated above have been validated for PrismaSeT P switchboards.

Designing customer connections

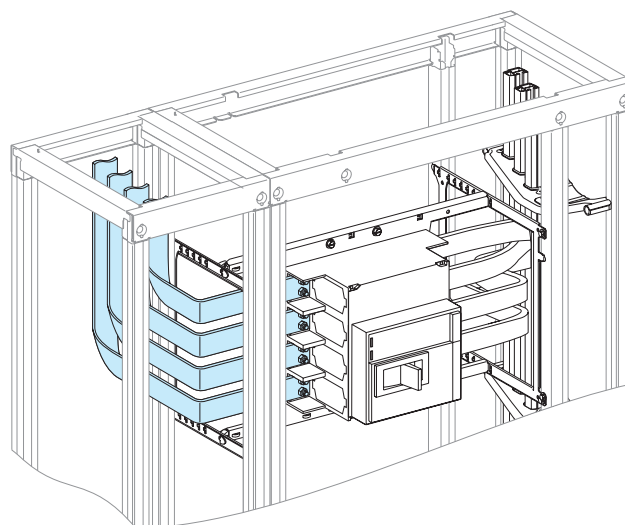
Fixed ComPacT NS630b to NS1000 Horizontal mounting

Electrical characteristics

ComPacT NS630b to NS1000

- Horizontal mounting
- Front connection
- Incoming via top or bottom
- Installation on the left or right

D:\88845.eps



Using the data below, it is possible to determine the size of the copper bars and the maximum permissible currents when making the connections to busbars for a horizontal, fixed ComPacT NS630b/NS1600, taking into account the ambient temperature around the switchboard and the IP value. Connection to be made according to the busbar drawings supplied.



Customer connection

Flat bars, 5 mm thick

| Device | | Permissible current (A) | | | | | |
|--------|----------------|--|-----------|-----------|-----------|-----------|-----------|
| | | Ambient temperature around the switchboard | | | | | |
| | | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| | | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 |
| NS630b | Size per phase | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 |
| | I (A) | 630 | 630 | 630 | 630 | 630 | 630 |
| NS800 | Size per phase | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 |
| NS1000 | Size per phase | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 | 2b 50 x 5 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Flat bars, 10 mm thick

| Device | | Permissible current (A) | | | | | |
|--------|----------------|--|------------|------------|------------|------------|------------|
| | | Ambient temperature around the switchboard | | | | | |
| | | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| NS630b | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 |
| | I (A) | 630 | 630 | 630 | 630 | 630 | 630 |
| NS800 | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 |
| | I (A) | 800 | 800 | 800 | 800 | 800 | 800 |
| NS1000 | Size per phase | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 | 1b 50 x 10 |
| | I (A) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Note: The values indicated above have been validated for PrismaSeT P switchboards.

Designing busbars

FuPact GS, ISFT Vertical Linergy LGYE, LGY busbars

Electrical characteristics

Permissible current and selection of Linergy LGYE busbars

The goal is to optimise busbar size according to the installation and operating criteria.

Vertical Linergy LGYE busbars

FuPact GS/ISFT

| Type of bars | Permissible current (A) | | | | | |
|-----------------------|--|----------------|----------------|----------------|----------------|----------------|
| | Ambient temperature around the switchboard | | | | | |
| | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| Size per phase | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 |
| Linergy LGYE 630 | 650 | 630 | 590 | 550 | 530 | 460 |
| Linergy LGYE 800 | 840 | 800 | 760 | 720 | 680 | 640 |
| Linergy LGYE 1000 | 1040 | 990 | 950 | 900 | 850 | 800 |
| Linergy LGYE 1250 | 1290 | 1230 | 1170 | 1100 | 1050 | 980 |
| Linergy LGYE 1600 | 1580 | 1480 | 1390 | 1320 | 1250 | 1180 |
| Linergy LGYE 2000 | 1900 | 1820 | 1720 | 1620 | 1520 | 1420 |
| Linergy LGYE 2500 | 2290 | 2190 | 2070 | 1960 | 1880 | 1780 |
| Linergy LGYE 3200 | 3060 | 2920 | 2780 | 2640 | 2500 | 2360 |
| Linergy LGYE 4000 | 3320 | 3240 | 3140 | 2970 | 2800 | 2650 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

Lateral Linergy LGY busbars

FuPact GS/ISFT

| Type of bars | Permissible current (A) | | | | | |
|-----------------------------|--|----------------|----------------|----------------|----------------|----------------|
| | Ambient temperature around the switchboard | | | | | |
| | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| Size per phase | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 |
| Linergy LGY 630 | 680 | 630 | 590 | 550 | 530 | 460 |
| Linergy LGY 800 | 840 | 800 | 760 | 720 | 680 | 640 |
| Linergy LGY 1000 | 1040 | 990 | 950 | 900 | 850 | 800 |
| Linergy LGY 1250 | 1290 | 1230 | 1170 | 1100 | 1050 | 980 |
| Linergy LGY 1600 | 1580 | 1480 | 1390 | 1320 | 1250 | 1180 |
| Linergy LGY 2000 (2 x 1000) | 1900 | 1820 | 1720 | 1620 | 1520 | 1420 |
| Linergy LGY 2500 (2 x 1250) | 2380 | 2260 | 2120 | 2020 | 1900 | 1780 |
| Linergy LGY 3200 (2 x 1600) | 3060 | 2920 | 2780 | 2640 | 2500 | 2360 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

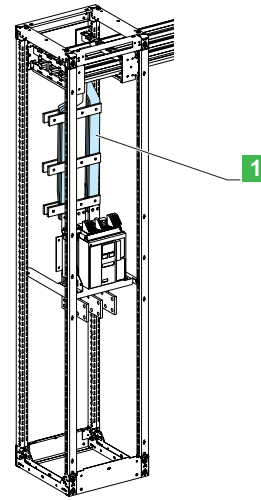
Designing connections between a device and busbars

Dedicated cubicle - W = 400 mm

Electrical characteristics

Fixed MasterPacT / MTZ1 06 to 16
 Fixed ComPacT NS630b to NS1600

Dedicated cubicle
 Linergy LGYE busbar
 Connections drawings supplied by Schneider Electric



1 Connection



Connection

Flat bars, 10 mm thick

| Device | | Permissible current (A) | | | | | |
|------------------------------|----------------|--------------------------|----------|----------|----------|----------|----------|
| | | Ambient temperature (°C) | | | | | |
| | | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| Fixed NS, MTZ1/NT | | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 |
| NS 630, NT 630 & MTZ1 630 | Size per phase | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 |
| | Fixed I (A) | 630 | 630 | 630 | 630 | 630 | 630 |
| NS 800, NT 800 & MTZ1 800 | Size per phase | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 |
| | Fixed I (A) | 800 | 800 | 800 | 800 | 800 | 800 |
| NS 1000, NT 1000 & MTZ1 1000 | Size per phase | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 |
| | Fixed I (A) | 1000 | 1000 | 980 | 960 | 940 | 920 |
| NS 1250, NT 1250 & MTZ1 1250 | Size per phase | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 |
| | Fixed I (A) | 1240 | 1200 | 1160 | 1125 | 1085 | 1040 |
| NS 1600, NT 1600 & MTZ1 1600 | Size per phase | 2b 50x10 | 2b 50x10 | 2b 50x10 | 2b 50x10 | 2b 50x10 | 2b 50x10 |
| | Fixed I (A) | 1525 | 1490 | 1450 | 1415 | 1375 | 1330 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

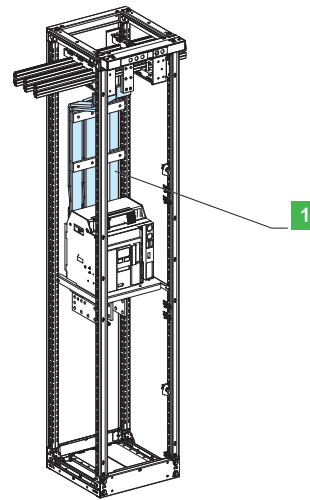
Designing connections between a device and busbars

Dedicated cubicle - W = 400 mm

Electrical characteristics

Drawout MasterPacT / MTZ1 06 to 16
 Drawout ComPacT NS630b to NS1600

Dedicated cubicle
 Linergy LGYE busbar
 Connections drawings supplied by Schneider Electric



1 Connection

Connection

Flat bars, 10 mm thick

| Device | | Permissible current (A) | | | | | |
|---------------------------------------|----------------|--------------------------|----------|----------|----------|----------|----------|
| | | Ambient temperature (°C) | | | | | |
| | | 25 °C | 30 °C | 35 °C | 40 °C | 45 °C | 50 °C |
| Drawout NS, MTZ1/NT | | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 | IP ≤ 31 |
| NS 630, NT 630 & MTZ1 630 | Size per phase | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 |
| | Drawout A (l) | 630 | 630 | 630 | 630 | 630 | 630 |
| NS 800, NT 800 & MTZ1 800 | Size per phase | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 |
| | Drawout A (l) | 800 | 800 | 800 | 800 | 800 | 800 |
| NS 1000, NT 1000 & MTZ1 1000 | Size per phase | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 |
| | Drawout A (l) | 1000 | 1000 | 980 | 960 | 940 | 920 |
| NS 1250, NT 1250 & MTZ1 1250 | Size per phase | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 | 1b 50x10 |
| | Drawout A (l) | 1230 | 1190 | 1155 | 1115 | 1075 | 1030 |
| NS 1600, NT 1600 & MTZ1 1600 | Size per phase | 2b 50x10 | 2b 50x10 | 2b 50x10 | 2b 50x10 | 2b 50x10 | 2b 50x10 |
| | Drawout A (l) | 1515 | 1480 | 1440 | 1400 | 1355 | 1315 |

■ Connection impossible due to the operating-temperature limits of the devices installed in the switchboard.

PrismaSeT P

800 V AC

PrismaSeT P 800 V AC

| | |
|------------------------------|-----|
| Functional Units | E-3 |
| Cubicles | E-2 |
| Linergy Distribution Systems | E-4 |
| Functional Partitioning | E-6 |
| Additional Information | E-7 |



PrismaSeT P 800 V AC

Coming soon...





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