

OptiLine 70 + ORION

Easy Click-in systems in one rational solution

Product catalogue 2015



Schneider
Electric

ORION

MODULAR SYSTEM



Some marriages are happier than others. Joining the best functions of the Orion range with the OptiLine 70 trunking is a winning move. Now the solution comprises hundreds of functions in one smart, easy-to-install system.



OPTILINE
INSTALLATION SYSTEM

P150199

OptiLine 70 + ORION | 3



OptiLine 70 + ORION

The sound of modern installation: Click - Click - Click!



The tool-less installation is actually done twice as fast as traditional methods. It is a three-step rocket: adapter – Click, module – Click, frame – Click. Done.

50%

Thanks to Push-in connection and the new tool-less Click-in adapter, installing is easier, faster and more fun than ever. Our test team carried out the installation in half the time compared to traditional systems.

The powerful OptiLine 70 trunking range

Presenting 3 single trunking and 2 double trunking, in both PVC and aluminium, the OptiLine 70 is a massive system leaving little to be desired.

The universal adapter lets the whole world in



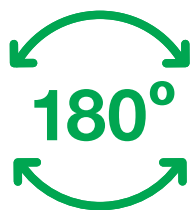
In case there is an obvious reason for using other wiring device ranges than Orion, for example in complementary installations, the OptiLine universal adapter is the solving. See more on page 8.



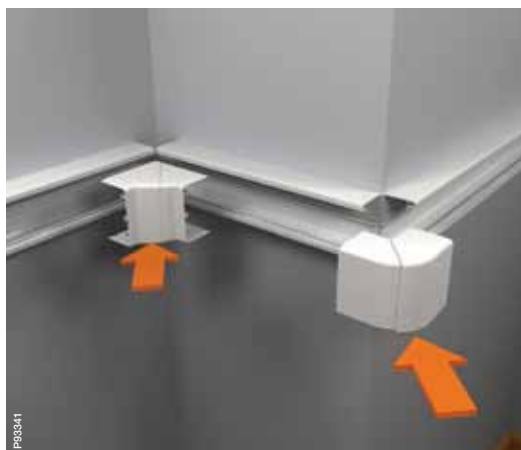


OptiLine 70

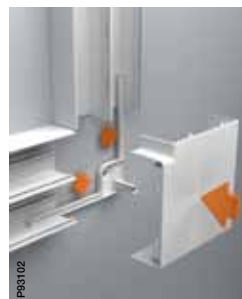
– be innovative on site



Symmetric
Several types of the trunkings are symmetric and 180° turnable, enabling a correct installation at all times.



OptiLine 70 has been developed in close cooperation with professional installers, resulting in a system that is perfectly aligned with real-life situations.



The building blocks of a truly smart solution

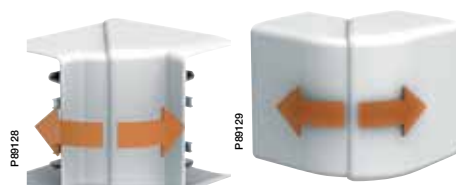
Forget trying to make up for inaccurately cut trunking and mis-matching corners. A range of smart accessories help you get the perfect result, every time.

Perfect bends

Miter-sawing a wide trunking with fronts can be somewhat of a nightmare. Ready-to-mount corner pieces help you master any challenge.

A helping hand

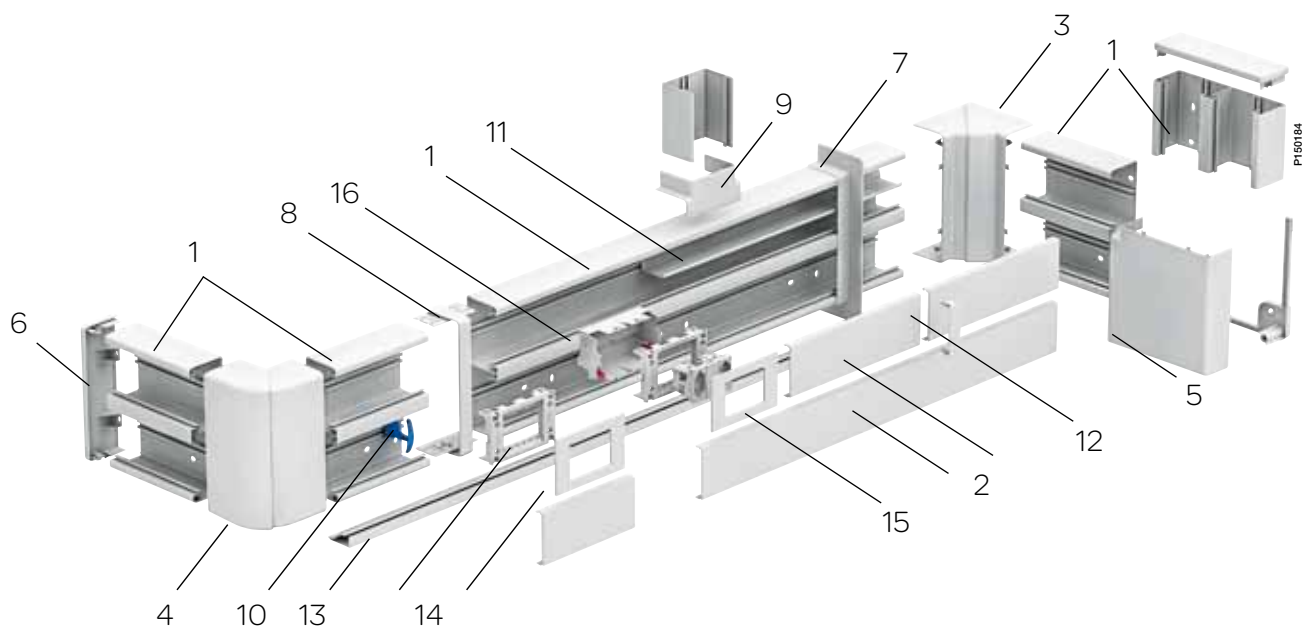
When assembling significant amounts of cables, this tool helps you keeping them in place. The cable shelf function is a bonus.





The OptiLine 70 system in detail

As we have always known – details make the big picture. This is why OptiLine 70 has been developed with close attention to detail, to provide for a flexible system perfectly suited for "innovation on site". Naturally, with optimised safety and stability of the entire installation kept intact.



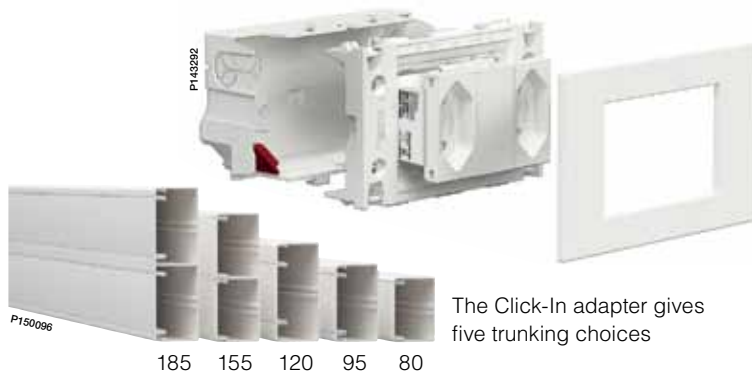
- | | | | |
|--------------------|---|---------------------------------------|---|
| 1. Trunking base | 5. Bend, 90°, including wall fixing | 9. T-piece | 13. Sealing strip |
| 2. Front cover | 6. Stop end | 10. Cable retainer | 14. Adapter with front plate |
| 3. Internal corner | 7. Wall/Ceiling frame | 11. Cable shelf | 15. Outlet kit incl. adaptor, front plate, outlet |
| 4. External corner | 8. Joint cover piece with jointing pieces | 12. Joint cover piece for front cover | 16. Installation box for adaptor |

Perfect methods of installing

With OptiLine 70, there is not only one, but two perfect installation methods. Both provide for a simple and flexible solution, beneficial for the installer as well as the user. And of course – versatile enough to meet all expectations of today and deliver new functions to suit changing needs over time.



P150191



The Click-In adapter gives five trunking choices

Click-in adapter for ORION

Developed for optimising speed and simplicity when installing ORION inserts, the new Click-in adapter has no loose parts and can be supplemented with a box mounted behind. Complete the installation with the ultra-thin Click-in frame.



The Universal adapter give three trunking choices

Universal adapter for generic wiring devices

The versatile OptiLine system is designed to perform in every thinkable situation, also in the company of other modules than ORION. The universal adapter facilitates installation of all frequent types of outlets and switches in three trunking sizes.

ORION dedicated modular system

You can tell when designers and engineers really have put their heart into developing new products. Like the ORION range. The result is a joy both to install and use, and offers everything needed for a convenient and problem-free work life. As the ORION system is allround and fits any type of installation, for example flush wall mounting, a nice-looking and consistent solution is easily achieved in any type of environment.



P150190

Controls

The vast ORION range includes several functions for convenient control.

Comfort

Choose analogue or digital control for best possible comfort.

Outlets

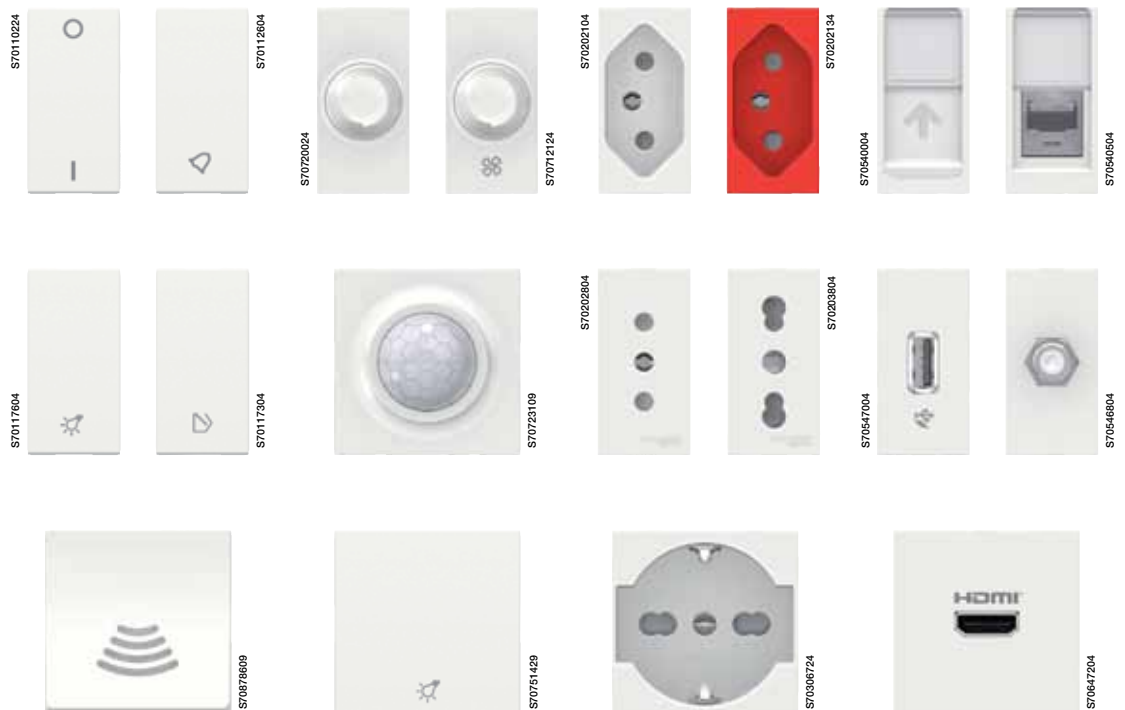
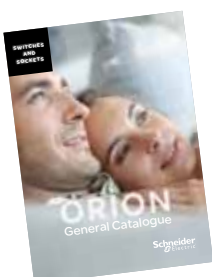
Regardless the type of plug, ORION has the perfect match.

Network

Network outlets change frequently – ORION is always ready.



ORION catalogue
Please download the full ORION catalogue to find the accurate functions for your next installation.



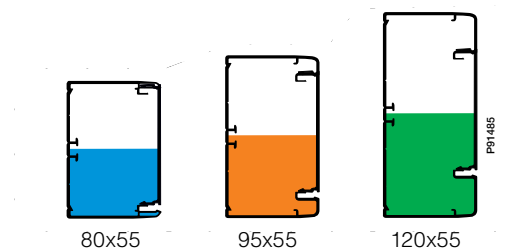


Needs change over time, and OptiLine is ready to take it on

The ever-growing need of power and data places increasing demands on cable capacity. This is the reason why the OptiLine trunking comes with plenty of extra space, ready to handle tomorrow's expectations.

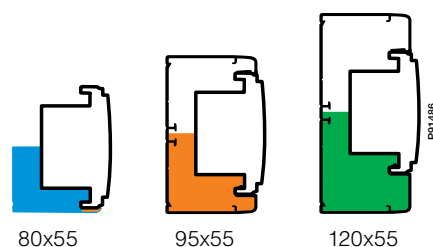
The Fill factor without outlets

OptiLine is designed to be equally suitable as installation trunking and feeder trunking. When used as feeder trunking, the cable capacity is extraordinary.



The Fill factor with outlets

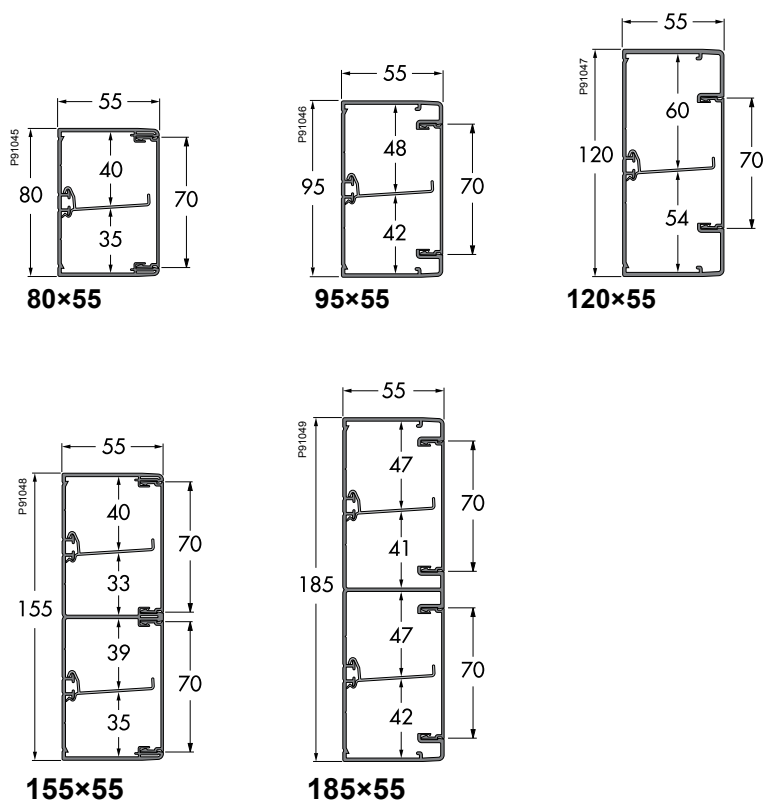
When the trunking contains mostly inserts of different kinds, the cable capacity can be secured by using a larger type of trunking. See the charts on the following pages to find the optimal size.



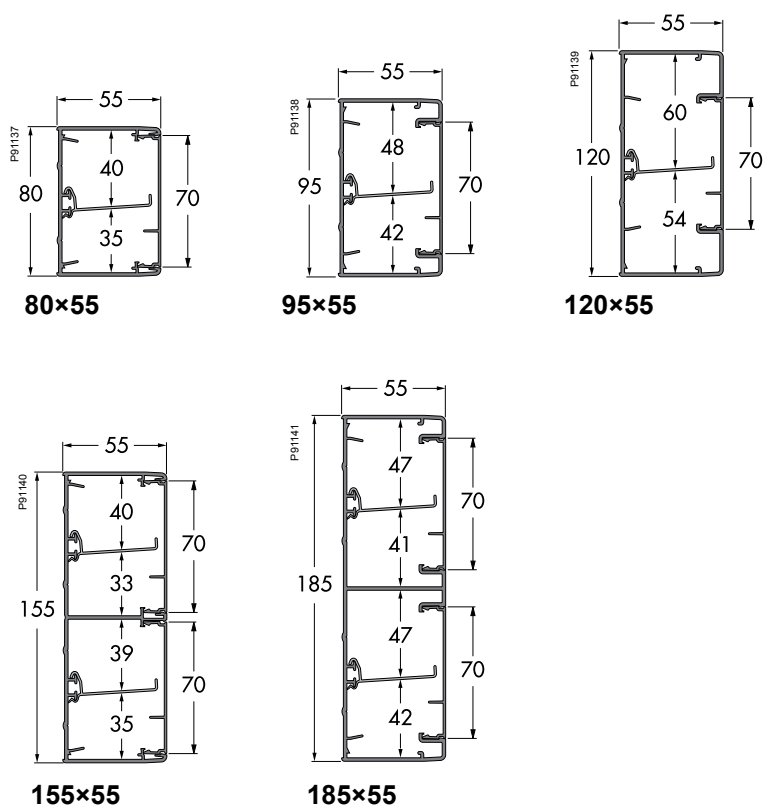
OptiLine 70 Trunking

Dimensions

PVC Trunking



Aluminium Trunking



OptiLine 70 Trunking

Cable capacity

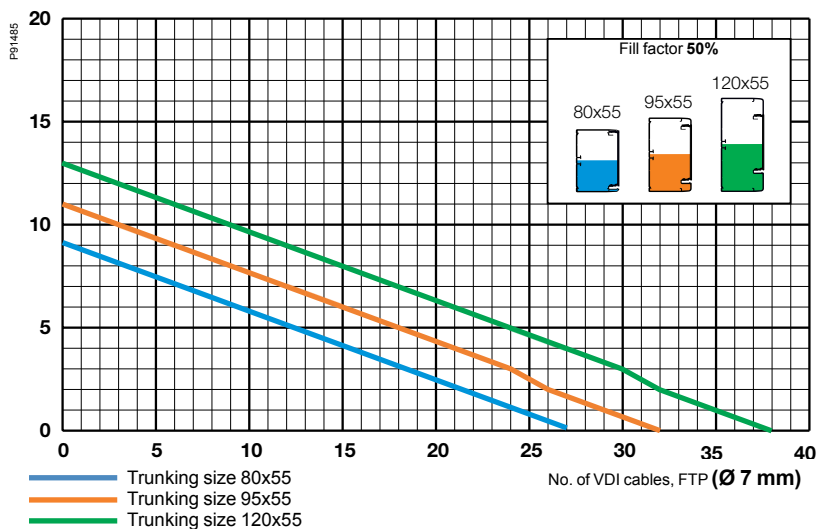


80x55, 95x55 and 120x55 without outlets

If the trunking is used as a feeder trunking please use this guide to calculate the cable capacity.

| Trunking size | Fill factor | |
|---------------|----------------------|----------------------|
| | 100% | 50% |
| | Inner area | Inner area |
| 80x55 | 3758 mm ² | 1879 mm ² |
| 95x55 | 4528 mm ² | 2264 mm ² |
| 120x55 | 5782 mm ² | 2891 mm ² |

No. of power cables, 3x2.5 mm² (Ø 12 mm)

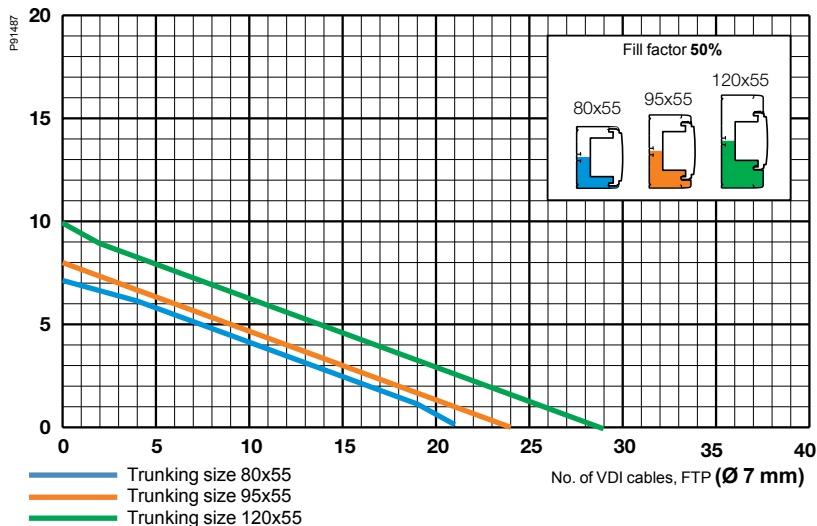


80x55, 95x55 and 120x55 with Orion outlets

If the trunking is used as an installation trunking please use this guide to calculate the cable capacity.

| Trunking size | Fill factor | |
|---------------|----------------------|----------------------|
| | 100% | 50% |
| | Inner area | Inner area |
| 80x55 | 2340 mm ² | 1170 mm ² |
| 95x55 | 3109 mm ² | 1555 mm ² |
| 120x55 | 4363 mm ² | 2182 mm ² |

No. of power cables, 3x2.5 mm² (Ø 12 mm)



A more detailed calculation can be made in the OptiLine system specification tool.

OptiLine 70 Trunking

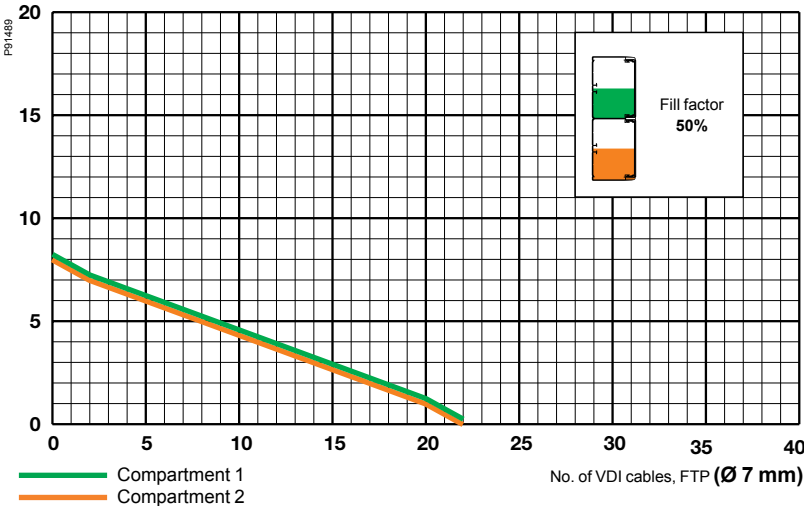
Cable capacity



155x55 without outlets
If the trunking is used as a feeder trunking please use this guide to calculate the cable capacity.

| Compartment | Fill factor | |
|-------------|----------------------|----------------------|
| | 100% | 50% |
| | Inner area | Inner area |
| ■ | 3671 mm ² | 1836 mm ² |
| ■ | 3671 mm ² | 1836 mm ² |

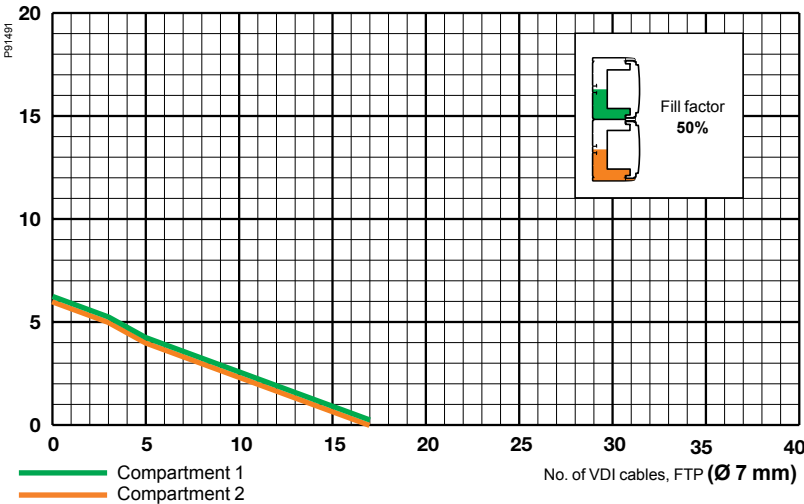
No. of power cables, 3x2.5 mm² (Ø 12 mm)



155x55 with Orion outlets
If the trunking is used as an installation trunking please use this guide to calculate the cable capacity.

| Compartment | Fill factor | |
|-------------|----------------------|----------------------|
| | 100% | 50% |
| | Inner area | Inner area |
| ■ | 2253 mm ² | 1127 mm ² |
| ■ | 2253 mm ² | 1127 mm ² |

No. of power cables, 3x2.5 mm² (Ø 12 mm)



A more detailed calculation can be made in the OptiLine system specification tool.

OptiLine 70 Trunking

Cable capacity

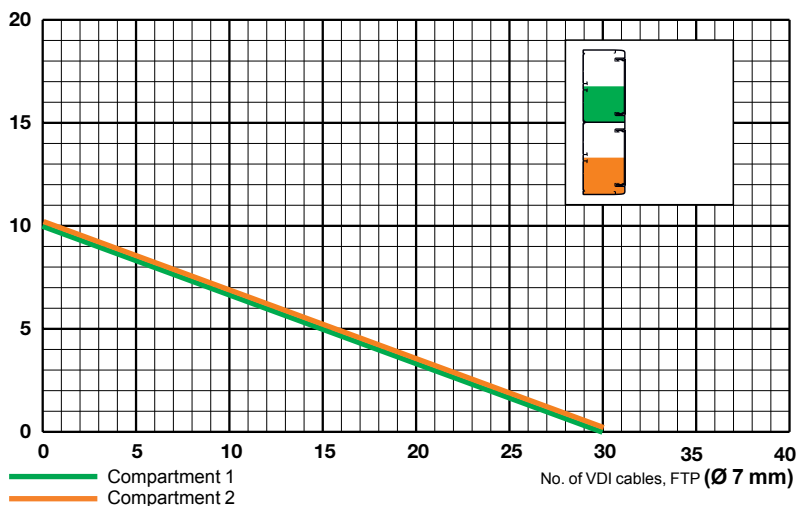


185x55 without outlets

If the trunking is used as a feeder trunking please use this guide to calculate the cable capacity.

| Compartment | Fill factor | |
|-------------|----------------------|----------------------|
| | 100% | 50% |
| | Inner area | Inner area |
| ■ | 4407 mm ² | 2204 mm ² |
| ■ | 4407 mm ² | 2204 mm ² |

No. of power cables, 3x2.5 mm² (Ø 12 mm)

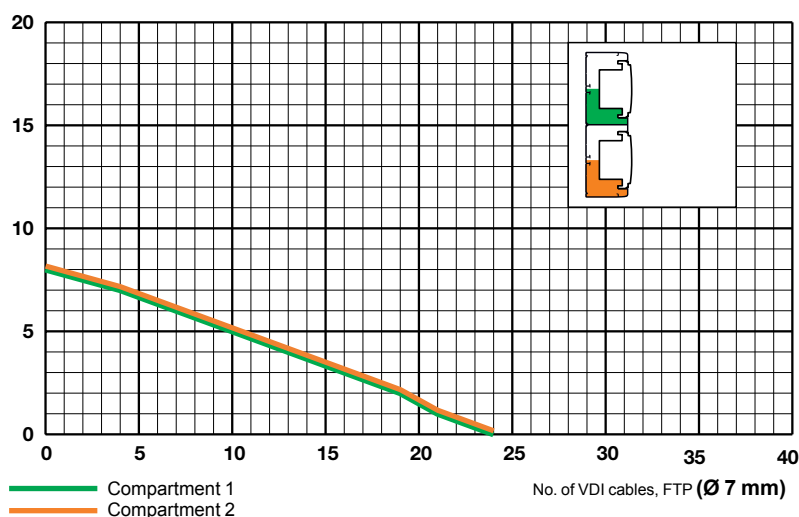


185x55 with Orion outlets

If the trunking is used as an installation trunking please use this guide to calculate the cable capacity.

| Compartment | Fill factor | |
|-------------|----------------------|----------------------|
| | 100% | 50% |
| | Inner area | Inner area |
| ■ | 2989 mm ² | 1495 mm ² |
| ■ | 2989 mm ² | 1495 mm ² |

No. of power cables, 3x2.5 mm² (Ø 12 mm)



















A more detailed calculation can be made in the OptiLine system specification tool.







OptiLine 70 Trunking

Choice guide

Trunking and accessories







| |  | |  | |  | |  | |  | |  | | |
|--|---|--------------|---|--------------|---|--------------|--|--------------|---|--------------|---|--------------|--|
| Trunking size | Ref. No. | Qty per pack | Ref. No. | Qty per pack | Ref. No. | Qty per pack | Ref. No. | Qty per pack | Ref. No. | Qty per pack | Ref. No. | Qty per pack | |
| PVC | | | | | | | | | | | | | |
| 80x55  | ISM11100P | 12 m | ISM11101P | 1 | ISM11102P | 1 | ISM11103P | 1 | ISM11104P | 2 | ISM11105P | 1 | |
| 95x55  | ISM11200P | 12 m | ISM11201P | 1 | ISM11202P | 1 | ISM11203P | 1 | ISM10204P | 2 | ISM11205P | 1 | |
| 120x55  | ISM11300P | 12 m | ISM11301P | 1 | ISM11302P | 1 | ISM11303P | 1 | ISM11304P | 2 | ISM11305P | 1 | |
| 155x55  | ISM11400P | 8 m | ISM11401P | 1 | ISM11402P | 1 | ISM11403P | 1 | ISM11404P | 2 | ISM11405P | 1 | |
| 185x55  | ISM11500P | 8 m | ISM11501P | 1 | ISM11502P | 1 | ISM11503P | 1 | ISM10504P | 2 | ISM11505P | 1 | |
| Aluminium | | | | | | | | | | | | | |
| 80x55  | ISM11150 | 6 m | ISM11151 | 1 | ISM11152 | 1 | ISM11153 | 1 | ISM11154 | 2 | ISM11155 | 1 | |
| 95x55  | ISM11250 | 6 m | ISM11251 | 1 | ISM11252 | 1 | ISM11253 | 1 | ISM11254 | 2 | ISM11255 | 1 | |
| 120x55  | ISM11350 | 6 m | ISM11351 | 1 | ISM11352 | 1 | ISM11353 | 1 | ISM11354 | 2 | ISM11355 | 1 | |
| 155x55  | ISM11450 | 4 m | ISM11451 | 1 | ISM11452 | 1 | ISM11453 | 1 | ISM11454 | 2 | ISM11455 | 1 | |
| 185x55  | ISM11550 | 4 m | ISM11551 | 1 | ISM11552 | 1 | ISM11553 | 1 | ISM10554 | 2 | ISM11555 | 1 | |

OptiLine 70 Trunking Range

|  Joint cover piece, kit incl. jointing pieces | | |  T-piece | |  Front cover PVC | |  Front cover Alu | |  Joint cover piece for front cover | |  Jointing piece, internal | |
|---|--------------|--|--|--------------|--|--------------|--|--------------|--|--------------|---|--------------|
| Ref. No. | Qty per pack | | Ref. No. | Qty per pack | Ref. No. | Qty per pack | Ref. No. | Qty per pack | Ref. No. | Qty per pack | Ref. No. | Qty per pack |
| ISM11106P | 1 | | ISM11107P | 1 | ISM11900P | 24 m | | | ISM11903P | 5 | ISM11904 | 10 |
| ISM11206P | 1 | | ISM11107P ISM11208P | 1 | ISM11900P | 24 m | | | ISM11903P | 5 | ISM11904 | 10 |
| ISM11306P | 1 | | ISM11107P ISM11208P | 1 | ISM11900P | 24 m | | | ISM11903P | 5 | ISM11904 | 10 |
| ISM11406P | 1 | | ISM11107P ISM11208P | 1 | ISM11900P | 24 m | | | ISM11903P | 5 | ISM11904 | 10 |
| ISM11506P | 1 | | ISM11107P ISM11208P | 1 | ISM11900P | 24 m | | | ISM11903P | 5 | ISM11904 | 10 |
| ISM11156 | 1 | | ISM11157 | 1 | – | – | ISM11950 | 24 m | ISM11951 | 5 | ISM11904 | 10 |
| ISM11256 | 1 | | ISM11157 ISM11258 | 1 | – | – | ISM11950 | 24 m | ISM11951 | 5 | ISM11904 | 10 |
| ISM11356 | 1 | | ISM11157 ISM11258 | 1 | – | – | ISM11950 | 24 m | ISM11951 | 5 | ISM11904 | 10 |
| ISM11456 | 1 | | ISM11157 ISM11258 | 1 | – | – | ISM11950 | 24 m | ISM11951 | 5 | ISM11904 | 10 |
| ISM11556 | 1 | | ISM11157 ISM11258 | 1 | – | – | ISM11950 | 24 m | ISM11951 | 5 | ISM11904 | 10 |


OptiLine 70 Trunking Range

PVC trunking

| | Type | Colour | Dimensions A/B/C (mm) |  | Qty per package | EAN code | Ref. No. |
|--|---|---|--------------------------|---|-----------------|---------------|-----------|
| Installation trunking with one compartment | | | | | | | |
| Installation trunking including one-compartment trunking base and front cover. The trunking base has pre-punched mounting holes every 25 th cm and can be provided with cable shelves. The 70 mm front opening allows wiring devices to be mounted by using adaptors. Trunking base and front cover are supplied unassembled under separate protective foil, in lengths of 2 m. Material: PVC. | | | | | | | |
| P89106 |  | For 45x45 module wiring de-vices and modular devices | Polar white | 80/55/2000 | 12 m | 3606480682377 | ISM11100P |
| P89108 |  | For 45x45 module wiring de-vices, modular devices and c/c 60 wiring devices | Polar white | 95/55/2000 | 12 m | 3606480682452 | ISM11200P |
| P89110 |  | For 45x45 module wiring de-vices, modular devices and c/c 60 wiring devices | Polar white | 120/55/2000 | 12 m | 3606480682520 | ISM11300P |
| Installation trunking with two compartments | | | | | | | |
| Installation trunking including two-compartment trunking base and two front covers. The trunking base has pre-punched mounting holes every 25 th cm and can be provided with cable shelves. The integrated partition wall has pre-punched slots every 25 th cm to facilitate cable laying. The 70 mm front opening allows wiring devices to be mounted by using adaptors. Trunking base and front cover are supplied unassembled under separate protective foil, in lengths of 2 m. Material: PVC. | | | | | | | |
| P89114 |  | For 45x45 module wiring de-vices and modular devices | Polar white | 155/55/2000 | 8 m | 3606480682599 | ISM11400P |
| P89112 |  | For 45x45 module wiring de-vices, modular devices and c/c 60 wiring devices | Polar white | 185/55/2000 | 8 m | 3606480682667 | ISM11500P |

Accessories for PVC trunking


P89174



Internal corner

Adjustable internal corner for an 80–100 degree angling of PVC trunking.
Material: PC/ABS.

P89128




| | | | | | |
|---------------------|-------------|-------------|---|---------------|-----------|
| For trunking 80x55 | Polar white | 89/117/117 | 1 | 3606480682384 | ISM11101P |
| For trunking 95x55 | Polar white | 104/117/117 | 1 | 3606480682469 | ISM11201P |
| For trunking 120x55 | Polar white | 129/117/117 | 1 | 3606480682537 | ISM11301P |
| For trunking 155x55 | Polar white | 164/117/117 | 1 | 3606480682605 | ISM11401P |
| For trunking 185x55 | Polar white | 194/117/117 | 1 | 3606480682674 | ISM11501P |

External corner





Adjustable external corner for a 75–135 degree angling of PVC trunking.
Material: PC/ABS.

P89129



| | | | | | |
|---------------------|-------------|-------------|---|---------------|-----------|
| For trunking 80x55 | Polar white | 89/105/105 | 1 | 3606480682391 | ISM11102P |
| For trunking 95x55 | Polar white | 104/105/105 | 1 | 3606480682476 | ISM11202P |
| For trunking 120x55 | Polar white | 129/105/105 | 1 | 3606480682544 | ISM11302P |
| For trunking 155x55 | Polar white | 164/105/105 | 1 | 3606480682612 | ISM11402P |
| For trunking 185x55 | Polar white | 194/105/105 | 1 | 3606480682681 | ISM11502P |

Accessories for PVC trunking








| | Type | Colour | Dimensions A/B/C (mm) | Qty per package | EAN code | Ref. No. |
|---|---|-------------|--------------------------|--------------------|---------------|-----------|
| | | | | | | |
|  <p>P89176</p> | Bend, 90°, kit | | | | | |
| | 90 degree bend kit for angling upwards and downwards of PVC trunking. Including bend piece and fixing device to be screw-fitted to the wall. Material: PC/ABS. | | | | | |
| | For trunking 80x55 | Polar white | 107/57/107 | 1 | 3606480682407 | ISM11103P |
| | For trunking 95x55 | Polar white | 122/57/122 | 1 | 3606480682483 | ISM11203P |
| | For trunking 120x55 | Polar white | 147/57/147 | 1 | 3606480682551 | ISM11303P |
| | For trunking 155x55 | Polar white | 182/57/182 | 1 | 3606480682629 | ISM11403P |
|  <p>P89177</p> | Stop end | | | | | |
| | Stop end for PVC trunking. Fast fitting with locking clips. Screw-fixing possible for extra security. Material: PC/ABS. | | | | | |
| | For trunking 80x55 | Polar white | 84/56/21 | 2 | 3606480682414 | ISM11104P |
| | For trunking 95x55 | Polar white | 99/56/21 | 2 | 3606480681622 | ISM10204P |
| | For trunking 120x55 | Polar white | 124/56/21 | 2 | 3606480682568 | ISM11304P |
| | For trunking 155x55 | Polar white | 159/56/21 | 2 | 3606480682636 | ISM11404P |
|  <p>P89178</p> | Wall/ceiling frame | | | | | |
| | Wall/Ceiling frame to be fitted around a PVC trunking at wall or ceiling passage. Easily modified to C or L-profile depending on how the passage is made. Snap-fitted, with a screw-fixing option for high security. Material: PC/ABS. | | | | | |
| | For trunking 80x55 | Polar white | 135/82/22 | 1 | 3606480682421 | ISM11105P |
| | For trunking 95x55 | Polar white | 150/82/22 | 1 | 3606480682490 | ISM11205P |
| | For trunking 120x55 | Polar white | 175/82/22 | 1 | 3606480682575 | ISM11305P |
| | For trunking 155x55 | Polar white | 210/82/22 | 1 | 3606480682643 | ISM11405P |
|  <p>P89179</p> | Joint cover piece, kit | | | | | |
| | Joint cover piece, supplied and mounted together with two jointing pieces. Intended to cover joints between two PVC trunking sections. Easy to remove in case of an upgrading of the installation. Material: PC/ABS. | | | | | |
| | For trunking 80x55 | Polar white | 85/57/100 | 1 | 3606480682438 | ISM11106P |
| | For trunking 95x55 | Polar white | 100/57/100 | 1 | 3606480682506 | ISM11206P |
| | For trunking 120x55 | Polar white | 125/57/100 | 1 | 3606480682582 | ISM11306P |
| | For trunking 155x55 | Polar white | 160/57/100 | 1 | 3606480682650 | ISM11406P |
| | For trunking 185x55 | Polar white | 190/57/100 | 1 | 3606480682711 | ISM11506P |

OptiLine 70 Trunking Range

Accessories for PVC trunking

| | Type | Colour | Dimensions A/B/C (mm) | Qty per package | EAN code | Ref. No. |
|--------|---|-------------|--------------------------|--------------------|---------------|-----------|
| | T-piece | | | | | |
| | T-piece intended to connect a vertical to a horizontal PVC trunking. Material: PC/ABS. | | | | | |
| P89180 | For vertical trunking 80x55 and horizontal trunking 80x55, 95x55, 120x55, 155x55 and 185x55 | Polar white | 52/57/102 | 1 | 3606480682445 | ISM11107P |
| | For vertical trunking 95x55 and horizontal trunking 95x55, 120x55, 155x55 and 185x55 | Polar white | 52/57/117 | 1 | 3606480682513 | ISM11208P |
| | Front cover | | | | | |
| | Front cover to be snap-fitted in trunking with a 70 mm front opening. Supplied with protective foil, in lengths of 2 m. Material: PVC | | | | | |
| P89181 | Front cover | Polar white | 71/13/2000 | 24 m | 3606480682728 | ISM11900P |
| | Cable retainer | | | | | |
| | Cable retainer to be mounted at the back of the trunking base to keep cables in place during the installation phase. Also providing increased cable capacity when used in a one-compartment trunking. No need to remove the retainer when fitting the front cover. Material: PA. | | | | | |
| P89183 | Cable retainer | Blue | 42/48/25 | 5 | 3606480029264 | ISM11901 |
| | Cable shelf | | | | | |
| | Single cable shelf to be mounted in the trunking base, providing separation between power and low voltage cables. Supplied in lengths of 1 m. Material: PVC. | | | | | |
| P85788 | Cable shelf | White | 17/47/1000 | 24 m | 3606480028410 | ISM10902 |
| | Joint cover piece for front cover | | | | | |
| | Joint cover piece intended to cover joints between two PVC front covers. Material: PC/ABS. | | | | | |
| P91615 | Joint cover piece for front cover | Polar white | 71/24/23 | 5 | 3606480682735 | ISM11903P |
| | Joining piece | | | | | |
| | Internal jointing piece intended to facilitate jointing of two PVC or aluminium trunking bases. May also be used to mount the joint cover piece. Material: PC/ABS. | | | | | |
| P89184 | Joining piece | White | 4/39/100 | 10 | 3606480029288 | ISM11904 |
| | Sealing strip | | | | | |
| | Sealing strip to be fitted between trunking and floor for a 10-15 mm coverage. Supplied in lengths of 2 m. Material: PVC. | | | | | |
| P85791 | Sealing strip | Polar white | 17/40/2000 | 24 m | 3606480681943 | ISM10905P |

Accessories for PVC trunking



| | Type | Colour | Dimensions A/B/C (mm) |  | Qty per package | EAN code | Ref. No. |
|---------|---|---|--------------------------|--|--------------------|---------------|-----------|
| | Adaptor for wiring devices Orion | | | | | | |
| | Adaptor including front plate. Suitable for Latam wiring devices Orion, can be snap-fitted onto the adaptor. To be combined with installation box (c/c 83) in applications requiring strain relief of cables or extra insulation. Material: PC/ABS. | | | | | | |
| P150386 |  | For three 22,5x45 module wiring devices | Polar white | 72/27/114 | 6 | 3606485405483 | ISM15151 |
| | Adaptor for c/c 83 wiring devices | | | | | | |
| | Universal adaptor for screw-fixing (screws not included). Suitable for any kind of Latin American wiring device range in the 4x2" assembled configuration with c/c 83 mm measure. To be combined with installation box in applications requiring strain relief of cables or extra insulation. Material: ABS. | | | | | | |
| P135055 |  | Adaptor, c/c 83 | White | 71/24/108 | 6 | 3606480558825 | ISM15150 |
| | Installation box for adaptors | | | | | | |
| | Installation box to be snap-mounted to an adaptor. The box has a built-in screwless strain relief. Slots in the box allow pre-wired wiring devices to slide in. Material: ABS. | | | | | | |
| P135056 |  | Box for adaptor, c/c 83 | White | 70/40/106 | 1 | 3606480558818 | ISM15015 |
| | Modular device adaptor, two-module, Unica | | | | | | |
| | Adaptor, two-module, for modular devices like for instance miniature circuit breakers. With transparent grey cover. Material: PC/ABS (front plate), PBT (adaptor), PC+ASA (DIN-module), metal rail. | | | | | | |
| P92613 |  | For 1-2 modular devices | Polar white | 73/80/140 | 1 | 3606480682759 | ISM15000P |
| | Terminal block, push-in | | | | | | |
| | Terminal block for push-in connection, 16A / 250V, 3x2.5 mm ² . For mounting in installation boxes and wiring device adaptors. Material: PPO, brass | | | | | | |
| P64412 |  | Terminal block | White | 10/10/14 | 10 | 3606480029356 | ISM15004 |
| | Cutting shears | | | | | | |
| | Cutting shears for PVC material. Suitable when cutting front covers, cable shelves or other PVC length material, instead of using a saw. Material: Steel. | | | | | | |
| P91380 |  | Cutting shears | Orange | 230/22/80 | 1 | 3606480028472 | ISM10908 |

OptiLine 70 Trunking Range










Aluminium trunking

| | Type | Colour | Dimensions A/B/C (mm) | Qty per package | EAN code | Ref. No. |
|--------|--|----------|--------------------------------------|--------------------|---------------|----------|
| | Installation trunking with one compartment Installation trunking including one-compartment trunking base and front cover. The trunking base has pre-punched mounting holes every 25 th cm and can be provided with cable shelves. The 70 mm front opening allows wiring devices to be mounted by using adaptors. Trunking base and front cover are supplied unassembled under separate protective foil, in lengths of 2 m. Material: Aluminium. | | | | | |
| P89450 | For 45x45 module wiring de-vices and modular devices | Anodized | 80/55/2000 | 6 m | 3606480028649 | ISM11150 |
| P89452 | For 45x45 module wiring de-vices, modular devices and c/c 60 wiring devices | Anodized | 95/55/2000 | 6 m | 3606480028786 | ISM11250 |
| P89454 | For 45x45 module wiring de-vices, modular devices and c/c 60 wiring devices | Anodized | 120/55/2000 | 6 m | 3606480028922 | ISM11350 |
| | Installation trunking with two compartments Installation trunking including two-compartment trunking base and two front covers. The trunking base has pre-punched mounting holes every 25 th cm and can be provided with cable shelves. The 70 mm front opening allows wiring devices to be mounted by using adaptors. Trunking base and front cover are supplied unassembled under separate protective foil, in lengths of 2 m. Material: Aluminium. | | | | | |
| P89456 | For 45x45 module wiring de-vices and modular devices | Anodized | 155/55/2000 | 4 m | 3606480029066 | ISM11450 |
| P89458 | For 45x45 module wiring de-vices, modular devices and c/c 60 wiring devices | Anodized | 185/55/2000 | 4 m | 3606480029196 | ISM11550 |
| | Installation trunking, customer adapted Installation trunking according to special customer order. The trunking is available with one or two compartments, see above, and can be specified <i>in optional length and colour</i> . Implies a detailed specification. Material: Aluminium. | | | | | |
| | Acc. to customer spec. | Optional | —*/55/Optional | — | — | ISMSPTR |
| | | | *Five height measurements, see above | | | |

Accessories for aluminium trunking

| | | | | | | |
|--------|--|--------------|-------------|---|---------------|--|
| | Internal corner Adjustable internal corner for an 80–100 degree angling of aluminium trunking. Material: PC/ABS, painted. | | | | | |
| | | | | | | P89128  |
| P92187 | For trunking 80x55 | Alu metallic | 89/117/117 | 1 | 3606480028656 | ISM11151 |
| | For trunking 95x55 | Alu metallic | 104/117/117 | 1 | 3606480028793 | ISM11251 |
| | For trunking 120x55 | Alu metallic | 129/117/117 | 1 | 3606480028939 | ISM11351 |
| | For trunking 155x55 | Alu metallic | 164/117/117 | 1 | 3606480029073 | ISM11451 |
| | For trunking 185x55 | Alu metallic | 194/117/117 | 1 | 3606480029202 | ISM11551 |
| | External corner Adjustable external corner for a 75–135 degree angling of aluminium trunking. Material: PC/ABS, painted. | | | | | |
| | | | | | | P89129  |
| P92188 | For trunking 80x55 | Alu metallic | 89/105/105 | 1 | 3606480028663 | ISM11152 |
| | For trunking 95x55 | Alu metallic | 104/105/105 | 1 | 3606480028809 | ISM11252 |
| | For trunking 120x55 | Alu metallic | 129/105/105 | 1 | 3606480028946 | ISM11352 |
| | For trunking 155x55 | Alu metallic | 164/105/105 | 1 | 3606480029080 | ISM11452 |
| | For trunking 185x55 | Alu metallic | 194/105/105 | 1 | 3606480029219 | ISM11552 |

Accessories for aluminium trunking

| | Type | Colour | Dimensions A/B/C (mm) |  | Qty per package | EAN code | Ref. No. |
|---|---|--------------|--------------------------|--|--------------------|---------------|----------|
|  P92189 | Bend, 90°, kit | | | | | | |
| | 90 degree bend kit for angling upwards and downwards of aluminium trunking. Including bend piece and fixing device to be screw-fitted to the wall. Material: PC/ABS, painted. | | | | | | |
| | For trunking 80x55 | Alu metallic | 107/57/107 | | 1 | 3606480028670 | ISM11153 |
| | For trunking 95x55 | Alu metallic | 122/57/122 | | 1 | 3606480028816 | ISM11253 |
| | For trunking 120x55 | Alu metallic | 147/57/147 | | 1 | 3606480028953 | ISM11353 |
| | For trunking 155x55 | Alu metallic | 182/57/182 | | 1 | 3606480029097 | ISM11453 |
|  P92190 | Stop end | | | | | | |
| | Stop end for aluminium trunking. Including screw and nut to fix the stop end in the trunking base. Material: PC/ABS, painted. | | | | | | |
| | For trunking 80x55 | Alu metallic | 84/56/21 | | 2 | 3606480028687 | ISM11154 |
| | For trunking 95x55 | Alu metallic | 99/56/21 | | 2 | 3606480028823 | ISM11254 |
| | For trunking 120x55 | Alu metallic | 124/56/21 | | 2 | 3606480028960 | ISM11354 |
| | For trunking 155x55 | Alu metallic | 159/56/21 | | 2 | 3606480029103 | ISM11454 |
|  P92191 | Wall/Ceiling frame | | | | | | |
| | Wall/Ceiling frame to be fitted around an aluminium trunking at wall or ceiling passage. Easily modified to C or L-profile depending on how the passage is made. Snap-fitted, with a screw-fixing option for high security. Material: PC/ABS, painted. | | | | | | |
| | For trunking 80x55 | Alu metallic | 135/82/22 | | 1 | 3606480028694 | ISM11155 |
| | For trunking 95x55 | Alu metallic | 150/82/22 | | 1 | 3606480028830 | ISM11255 |
| | For trunking 120x55 | Alu metallic | 175/82/22 | | 1 | 3606480028977 | ISM11355 |
| | For trunking 155x55 | Alu metallic | 210/82/22 | | 1 | 3606480029110 | ISM11455 |
|  P92192 | Joint cover piece, kit | | | | | | |
| | Joint cover piece, supplied and mounted together with two jointing pieces. Intended to cover joints between two aluminium trunking sections. Easy to remove in case of an upgrading of the installation. Material: PC/ABS, painted. | | | | | | |
| | For trunking 80x55 | Alu metallic | 85/57/100 | | 1 | 3606480028700 | ISM11156 |
| | For trunking 95x55 | Alu metallic | 100/57/100 | | 1 | 3606480028847 | ISM11256 |
| | For trunking 120x55 | Alu metallic | 125/57/100 | | 1 | 3606480028984 | ISM11356 |
| | For trunking 155x55 | Alu metallic | 160/57/100 | | 1 | 3606480029127 | ISM11456 |
|  P92196 | T-piece | | | | | | |
| | T-piece intended to connect a vertical to a horizontal aluminium trunking. Material: PC/ABS, painted. | | | | | | |
| | For vertical trunking 80x55 and horizontal trunking 80x55, 95x55, 120x55, 155x55 and 185x55 | Alu metallic | 52/57/102 | | 1 | 3606480028717 | ISM11157 |
| | For vertical trunking 95x55 and horizontal trunking 95x55, 120x55, 155x55 and 185x55 | Alu metallic | 52/57/117 | | 1 | 3606480160592 | ISM11258 |
| | Front cover | | | | | | |
| | Front cover to be snap-fitted in trunking with a 70 mm front opening. Supplied with protective foil, in lengths of 2 m. Material: Aluminium | | | | | | |
|  P92194 | Front cover | Anodized | 71/13/2000 | | 24 m | 3606480029295 | ISM11950 |
|  P92193 | Cable retainer | | | | | | |
| | Cable retainer to be mounted at the back of the trunking base to keep cables in place during the installation phase. Also providing increased cable capacity when used in a one-compartment trunking. No need to remove the retainer when fitting the front cover. Material: PA. | | | | | | |
| | Cable retainer | Blue | 42/48/25 | | 5 | 3606480029264 | ISM11901 |
|  P92788 | Cable shelf | | | | | | |
| | Single cable shelf to be mounted in the trunking base, providing separation between power and low voltage cables. Supplied in lengths of 1 m. Material: PVC. | | | | | | |
| | Cable shelf | White | 17/47/1000 | | 24 m | 3606480028410 | ISM10902 |

Accessories for aluminium trunking

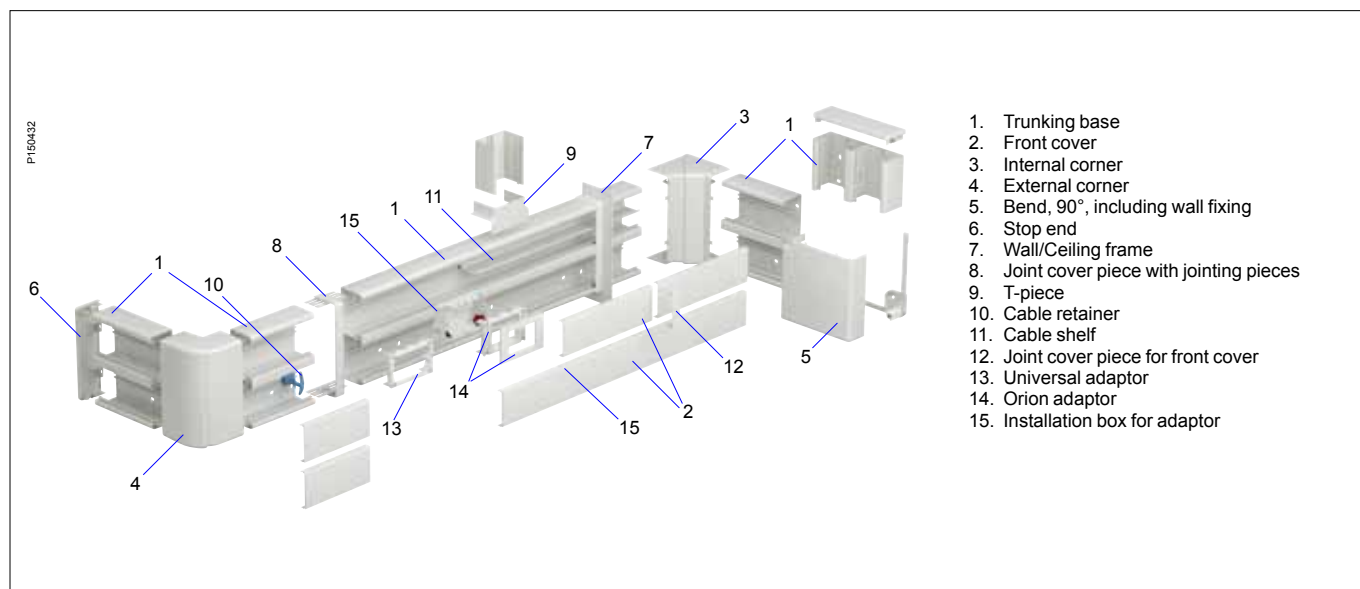
| | Type | Colour | Dimensions A/B/C (mm) | Qty per package | EAN code | Ref. No. |
|---------|---|--------------|--------------------------|--------------------|--------------------------------|----------------------|
| | Joint cover piece for front cover | | | | | |
| | Joint cover piece intended to cover joints between two aluminium front covers. Material: PC/ABS, painted. | | | | | |
| P82193 | Joint cover piece for front cover | Alu metallic | 71/24/23 | 5 | 3606480029301 | ISM11951 |
| | Joining piece | | | | | |
| | Internal jointing piece intended to facilitate jointing of two PVC or aluminium trunking bases. May also be used to mount the joint cover piece. Material: PC/ABS. | | | | | |
| P89184 | Joining piece | White | 4/39/100 | 10 | 3606480029288 | ISM11904 |
| | Sealing strip | | | | | |
| | Sealing strip to be fitted between trunking and floor for a 10-15 mm coverage. Supplied in lengths of 2 m. Material: PVC. | | | | | |
| P86791 | Sealing strip | Polar white | 17/40/2000 | 24 m | 3606480681943 | ISM10905P |
| | Joining/earthing piece | | | | | |
| | Internal jointing and earthing piece, intended for jointing and earthing of two aluminium trunking bases. Including two screws. Material: Zinc. | | | | | |
| P86794 | Joining/earthing piece | Untreated | 4/6/26 | 10 | 3606480028533 | ISM10955 |
| | Earthing clamp | | | | | |
| | Earthing clamp to be used for bonding of front cover, trunking base and accessories to earth. Material: Steel. | | | | | |
| P87196 | Earthing clamp | — | 9/9/9 | 20 | 3606480028502 | ISM10952 |
| | Earthing kit | | | | | |
| | Kit including earth wire with flat pin connectors and earthing clamps. To be used to connect the front cover to the base profile or the base profile to another base profile. | | | | | |
| P86796 | Earthing kit | Yellow/green | L = 200 L = 300 | 10 10 | 3606480028519 3606480028526 | ISM10953 ISM10954 |
| | Adaptor for wiring devices Orion | | | | | |
| | Adaptor including front plate. Suitable for Latam wiring devices Orion, can be snap-fitted onto the adaptor. To be combined with installation box (c/c 83) in applications requiring strain relief of cables or extra insulation. Material: PC/ABS. | | | | | |
| P150386 | For three 22,5x45 module wiring devices | Polar white | 72/27/114 | 6 | 3606485405483 | ISM15151 |
| | Adaptor for c/c 83 wiring devices | | | | | |
| | Universal adaptor for screw-fixing (screws not included). Suitable for any kind of Latin American wiring device range in the 4x2" assembled configuration with c/c 83 mm measure. To be combined with installation box in applications requiring strain relief of cables or extra insulation. Material: ABS. | | | | | |
| P130055 | Adaptor, c/c 83 | White | 71/24/108 | 1 | 3606480558825 | ISM15150 |
| | Installation box for adaptors | | | | | |
| | Installation box to be snap-mounted to an adaptor. The box has a built-in screwless strain relief. Slots in the box allow pre-wired wiring devices to slide in. Material: ABS. | | | | | |
| P130056 | Box for adaptor, c/c 83 | White | 70/40/106 | 1 | 3606480558818 | ISM15015 |
| | Modular device adaptor, two-module, Unica | | | | | |
| | Adaptor, two-module, for modular devices like for instance miniature circuit breakers. With transparent grey cover. Material: PC/ABS (front plate), PBT (adaptor), PC+ASA (DIN-module), metal rail. | | | | | |
| P92612 | For 1-2 modular devices | Alu metallic | 73/80/140 | 1 | 3606480029370 | ISM15006 |
| | Terminal block, push-in | | | | | |
| | Terminal block for push-in connection, 16A / 250V, 3x2.5 mm ² . For mounting in installation boxes and wiring device adaptors. Material: PPO, brass | | | | | |
| P64412 | Terminal block | White | 10/10/14 | 10 | 3606480029356 | ISM15004 |

OptiLine 70 Trunking Range

Technical and Material data

| | | |
|---|--|---|
| PVC (self-extinguishing, lead and cadmium-free) | Fire rating | UL 94 V0 (0.8 mm) |
| | Fire/smoke/toxicity | M1 acc. to French standard classification NF P 92 501 |
| | Colour | • Polar white (RAL 9003) |
| Aluminium | Surface treatment | Natural anodizing |
| PC/ABS | Fire rating | UL 94 HB |
| | Colours | • Polar white (RAL 9003) • Aluminium metallic (painted) • White (unspecified) |
| PA (polyamide), halogen-free | Fire rating | UL 94 V0 |
| | Colours | • Blue (NCS S 3050-R90B) • Clear |
| PC+ASA | Fire rating | UL 94 HB |
| | Colour | Grey |
| PBT with 30% glass-fibre | Fire rating | UL 94 HB (1.5 mm) |
| | Colour | Light grey |
| Degree of protection | IP40 | |
| Temperature range | Operating temperature from -25°C to +60°C | |
| Resistance to impact | PVC trunking 2J (IK07) | |
| | PC/ABS accessories 2J (IK07) | |
| Standards and certificates | The products comply with the standards: | |
| | • EN 50085-1: 2005 • pr EN 50085-2-1: 2002 | |
| | The products satisfy the provisions for CE marking according to the Low Voltage Directive 73/23/EEC and 93/68/EEC. | |

Exploded view



| | | | | | |
|-----------------|----|-----------------|----|-----------------|----|
| ISM10204P | 16 | ISM11251 | 16 | ISM11500P | 18 |
| ISM10204P | 19 | ISM11251 | 22 | ISM11501P | 16 |
| ISM10504P | 16 | ISM11252 | 16 | ISM11501P | 18 |
| ISM10504P | 19 | ISM11252 | 22 | ISM11502P | 16 |
| ISM10554 | 16 | ISM11253 | 16 | ISM11502P | 18 |
| ISM10554 | 23 | ISM11253 | 23 | ISM11503P | 16 |
| ISM10902 | 20 | ISM11254 | 16 | ISM11503P | 19 |
| ISM10902 | 23 | ISM11254 | 23 | ISM11505P | 16 |
| ISM10905P | 20 | ISM11255 | 16 | ISM11505P | 19 |
| ISM10905P | 24 | ISM11255 | 23 | ISM11506P | 16 |
| ISM10908 | 21 | ISM11256 | 16 | ISM11506P | 19 |
| ISM10952 | 24 | ISM11256 | 23 | ISM11550 | 16 |
| ISM10953 | 24 | ISM11258 | 16 | ISM11550 | 22 |
| ISM10954 | 24 | ISM11258 | 16 | ISM11551 | 16 |
| ISM10955 | 24 | ISM11258 | 16 | ISM11551 | 22 |
| ISM11100P | 16 | ISM11258 | 16 | ISM11552 | 16 |
| ISM11100P | 18 | ISM11258 | 23 | ISM11552 | 22 |
| ISM11101P | 16 | ISM11300P | 16 | ISM11553 | 16 |
| ISM11101P | 18 | ISM11300P | 18 | ISM11553 | 23 |
| ISM11102P | 16 | ISM11301P | 16 | ISM11555 | 16 |
| ISM11102P | 18 | ISM11301P | 18 | ISM11555 | 23 |
| ISM11103P | 16 | ISM11302P | 16 | ISM11556 | 16 |
| ISM11103P | 19 | ISM11302P | 18 | ISM11556 | 23 |
| ISM11104P | 16 | ISM11303P | 16 | ISM11900P | 16 |
| ISM11104P | 19 | ISM11303P | 19 | ISM11900P | 16 |
| ISM11105P | 16 | ISM11304P | 16 | ISM11900P | 16 |
| ISM11105P | 19 | ISM11304P | 19 | ISM11900P | 16 |
| ISM11106P | 16 | ISM11305P | 16 | ISM11900P | 16 |
| ISM11106P | 19 | ISM11305P | 19 | ISM11900P | 20 |
| ISM11107P | 16 | ISM11306P | 16 | ISM11901 | 20 |
| ISM11107P | 16 | ISM11306P | 19 | ISM11901 | 23 |
| ISM11107P | 16 | ISM11350 | 16 | ISM11903P | 16 |
| ISM11107P | 16 | ISM11350 | 22 | ISM11903P | 16 |
| ISM11107P | 16 | ISM11351 | 16 | ISM11903P | 16 |
| ISM11107P | 20 | ISM11351 | 22 | ISM11903P | 16 |
| ISM11150 | 16 | ISM11352 | 16 | ISM11903P | 16 |
| ISM11150 | 22 | ISM11352 | 22 | ISM11903P | 20 |
| ISM11151 | 16 | ISM11353 | 16 | ISM11904 | 16 |
| ISM11151 | 22 | ISM11353 | 23 | ISM11904 | 16 |
| ISM11152 | 16 | ISM11354 | 16 | ISM11904 | 16 |
| ISM11152 | 22 | ISM11354 | 23 | ISM11904 | 16 |
| ISM11153 | 16 | ISM11355 | 16 | ISM11904 | 16 |
| ISM11153 | 23 | ISM11355 | 23 | ISM11904 | 16 |
| ISM11154 | 16 | ISM11356 | 16 | ISM11904 | 16 |
| ISM11154 | 23 | ISM11356 | 23 | ISM11904 | 16 |
| ISM11155 | 16 | ISM11400P | 16 | ISM11904 | 16 |
| ISM11155 | 23 | ISM11400P | 18 | ISM11904 | 16 |
| ISM11156 | 16 | ISM11401P | 16 | ISM11904 | 20 |
| ISM11156 | 23 | ISM11401P | 18 | ISM11904 | 24 |
| ISM11157 | 16 | ISM11402P | 16 | ISM11950 | 16 |
| ISM11157 | 16 | ISM11402P | 18 | ISM11950 | 16 |
| ISM11157 | 16 | ISM11403P | 16 | ISM11950 | 16 |
| ISM11157 | 16 | ISM11403P | 19 | ISM11950 | 16 |
| ISM11157 | 16 | ISM11404P | 16 | ISM11950 | 16 |
| ISM11157 | 23 | ISM11404P | 19 | ISM11950 | 23 |
| ISM11200P | 16 | ISM11405P | 16 | ISM11951 | 16 |
| ISM11200P | 18 | ISM11405P | 19 | ISM11951 | 16 |
| ISM11201P | 16 | ISM11406P | 16 | ISM11951 | 16 |
| ISM11201P | 18 | ISM11406P | 19 | ISM11951 | 16 |
| ISM11202P | 16 | ISM11450 | 16 | ISM11951 | 16 |
| ISM11202P | 18 | ISM11450 | 22 | ISM11951 | 24 |
| ISM11203P | 16 | ISM11451 | 16 | ISM15000P | 21 |
| ISM11203P | 19 | ISM11451 | 22 | ISM15004 | 21 |
| ISM11205P | 16 | ISM11452 | 16 | ISM15004 | 24 |
| ISM11205P | 19 | ISM11452 | 22 | ISM15006 | 24 |
| ISM11206P | 16 | ISM11453 | 16 | ISM15015 | 21 |
| ISM11206P | 19 | ISM11453 | 23 | ISM15015 | 24 |
| ISM11208P | 16 | ISM11454 | 16 | ISM15150 | 21 |
| ISM11208P | 16 | ISM11454 | 23 | ISM15150 | 24 |
| ISM11208P | 16 | ISM11455 | 16 | ISM15151 | 21 |
| ISM11208P | 16 | ISM11455 | 23 | ISM15151 | 24 |
| ISM11208P | 20 | ISM11456 | 16 | ISMSPTR | 22 |
| ISM11250 | 16 | ISM11456 | 23 | | |
| ISM11250 | 22 | ISM11500P | 16 | | |

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