# Product data sheet
## Characteristics

# 29639
## switch-disconnector Compact NS100 NA - 100 A - 4 poles

## Commercial status
End of Commercialisation :

⚠ End of Commercialisation

## Main

| | |
|---|---|
| Range of product | NS100...250 |
| Range | Compact |
| Product name | Compact NS100 NA |
| Device short name | Compact NS100 NA |
| Product or component type | Switch disconnector |
| Device application | Distribution |
| Poles description | 4P |
| Network type | AC<br>DC |
| Network frequency | 50/60 Hz |
| [Ie] rated operational current | AC-22A: 100 A AC 50/60 Hz 220/240 V<br>AC-22A: 100 A AC 50/60 Hz 380/415 V<br>AC-22A: 100 A AC 50/60 Hz 440/480 V<br>AC-22A: 100 A AC 50/60 Hz 500/525 V<br>AC-22A: 100 A AC 50/60 Hz 660/690 V<br>AC-23A: 100 A AC 50/60 Hz 220/240 V<br>AC-23A: 100 A AC 50/60 Hz 380/415 V<br>AC-23A: 100 A AC 50/60 Hz 440/480 V<br>AC-23A: 100 A AC 50/60 Hz 500/525 V<br>AC-23A: 100 A AC 50/60 Hz 660/690 V<br>DC-22A: 100 A DC 250 V 1P<br>DC-22A: 100 A DC 500 V 2 poles in series<br>DC-23A: 100 A DC 250 V 1P<br>DC-23A: 100 A DC 500 V 2 poles in series |
| [Ui] rated insulation voltage | 750 V AC 50/60 Hz conforming to IEC 60947-3 |
| [Uimp] rated impulse withstand voltage | 8 KV conforming to IEC 60947-3 |
| [Ith] conventional free air thermal current | 100 A at 60 °C |
| [Icm] rated short-circuit making capacity | 2.6 KA |
| [Ue] rated operational voltage | 500 V DC conforming to IEC 60947-3<br>690 V AC 50/60 Hz conforming to IEC 60947-3 |
| Breaking capacity code | NA |
| Suitability for isolation | Yes conforming to IEC 60947-3 |
| Contact position indicator | Yes |
| Visible break | No |
| Pollution degree | 3 conforming to IEC 60947-3 |

## Complementary

| | |
|---|---|
| Control type | Toggle |
| Mounting mode | Fixed |
| Upside connection | Front |
| Downside connection | Front |
| [Icw] rated short-time withstand current | 0.69 KA during 20 s conforming to IEC 60947-3<br>1.8 KA during 1 s conforming to IEC 60947-3<br>1.8 KA during 3 s conforming to IEC 60947-3 |
| Mechanical durability | 50000 Cycles conforming to IEC 60947-3 |
| Electrical durability | AC-22A: 50000 cycles 690 V AC 50/60 Hz conforming to IEC 60947-3<br>AC-23A: 30000 cycles 440 V AC 50/60 Hz conforming to IEC 60947-3<br>AC-23A: 50000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-3<br>DC-23A: 30000 cycles 250 V DC conforming to IEC 60947-3<br>DC-23A: 50000 cycles 250 V DC In/2 conforming to IEC 60947-3 |
| Connection pitch | 35 Mm |
| Height | 161 Mm |
| Width | 141 Mm |
| Depth | 86 Mm |
| Net weight | 2.2 Kg |

## Environment

| | |
|---|---|
| Standards | IEC 60947-3 |
| Product certifications | ASTA<br>ASEFA<br>KEMA |
| Ambient air temperature for operation | -25…70 °C |
| Ambient air temperature for storage | -50…85 °C |

## Contractual warranty

| | |
|---|---|
| Warranty | 18 months |

**Product Life Status :** End of commercialisation

## 29639 may be replaced by any of the following products:

LV429639

switch disconnector Compact NSX100NA, 4 poles, 100 A, AC22A, AC23A

Qty 1

Reason for Substitution: End of life | Substitution date: 01 Jan 2009 | Compatibilité totale : mixage des pièces ancienne/nouvelle gamme Ok

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Qty 1

Reason for Substitution: End of life | Substitution date: 01 Jan 2009 |

LV429639

switch disconnector Compact NSX100NA, 4 poles, 100 A, AC22A, AC23A

Qty 1

Reason for Substitution: Rebrand | Substitution date: 03 Jan 2019 |