Disclaimer. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications



switch-disconnector Compact NSX100NA - 100 A - 3P

LV429629

! Discontinued on: 26 Mar 2024

(!) Discontinued

Main

| Range | ComPact | |
|---|--|--|
| product name | ComPact NSX | |
| Product or component type | Switch disconnector | |
| Device short name | Compact NSX100NA | |
| Poles description | 3P | |
| Network type | AC DC | |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz conforming to IEC 60947-3 750 V DC 3 poles in series conforming to IEC 60947-3 500 V DC 2 poles in series conforming to IEC 60947-3 250 V DC 1 pole conforming to IEC 60947-3 | |
| [le] rated operational current | AC-22A: 100 A AC 50/60 Hz 220690 V AC-23A: 100 A AC 50/60 Hz 220690 V DC-22A: 100 A DC 250 V 1 pole DC-22A: 100 A DC 500 V 2 poles in series DC-23A: 100 A DC 250 V 1 pole DC-23A: 100 A DC 500 V 2 poles in series | |
| [Ui] rated insulation voltage | 800 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 | |
| [lcm] rated short-circuit making capacity | 330 kA with upstream protection circuit breaker 2.6 kA switch-disconnector alone | |
| Breaking capacity code | NA | |
| Suitability for isolation | Yes conforming to EN 60947-3 Yes conforming to IEC 60947-3 | |
| Contact position indicator | Yes | |
| Visible break | No | |
| Pollution degree | 3 conforming to IEC 60664-1 | |

Complementary

| control type | Toggle |
|---------------------|-----------|
| Mounting mode | Fixed |
| Mounting support | Backplate |
| Upside connection | Front |
| Downside connection | Front |

| [lcw] rated short-time withstand | 0.69 kA during 20 s conforming to IEC 60947-3 | |
|----------------------------------|---|--|
| current | 1.8 kA during 1 s conforming to IEC 60947-3 | |
| | 1.8 kA during 3 s conforming to IEC 60947-3 | |
| Mechanical durability | 50000 cycles conforming to IEC 60947-3 | |
| Electrical durability | AC-22A: 10000 cycles 250 V DC In/2 (1 pole) conforming to IEC 60947-3 | |
| | AC-22A: 15000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-3 | |
| | AC-22A: 20000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-3 | |
| | AC-22A: 35000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-3 | |
| | AC-22A: 5000 cycles 500 V DC In (2 poles in series) conforming to IEC 60947-3 | |
| | AC-22A: 8000 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-3 | |
| | AC-23A: 10000 cycles 250 V DC In/2 (1 pole) conforming to IEC 60947-3 | |
| | AC-23A: 15000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-3 | |
| | AC-23A: 20000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-3 | |
| | AC-23A: 35000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-3 | |
| | AC-23A: 5000 cycles 500 V DC In (2 poles in series) conforming to IEC 60947-3 | |
| | AC-23A: 8000 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-3 | |
| Connection pitch | 35 mm | |
| Height | 161 mm | |
| Width | 105 mm | |
| Depth | 86 mm | |
| Product weight | 1.8 kg | |

Environment

| Standards | EN/IEC 60947-3 |
|---------------------------------------|------------------------------|
| Product certifications | IECEE CB Scheme |
| IP degree of protection | IP40 conforming to IEC 60529 |
| IK degree of protection | IK07 conforming to IEC 62262 |
| Electrical shock protection class | Class II |
| Ambient air temperature for operation | -3570 °C |
| Ambient air temperature for storage | -5585 °C |

Packing Units

| Unit Type of Package 1 | PCE |
|------------------------------|-----------|
| Number of Units in Package 1 | 1 |
| Package 1 Height | 11.6 cm |
| Package 1 Width | 14.2 cm |
| Package 1 Length | 19.0 cm |
| Package 1 Weight | 1.764 kg |
| Unit Type of Package 2 | S04 |
| Number of Units in Package 2 | 12 |
| Package 2 Height | 30.0 cm |
| Package 2 Width | 40.0 cm |
| Package 2 Length | 60.0 cm |
| Package 2 Weight | 21.934 kg |

Contractual warranty

Warranty 12 months



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

| ∇ Environmental footprint | |
|---|-------------------------------|
| Carbon footprint (kg.eq.CO2 per CR, Total Life cycle) | 219 |
| Environmental Disclosure | Product Environmental Profile |

Use Better

| EU RoHS Directive | Compliant with Exemptions |
|-------------------|--------------------------------------|
| SCIP Number | 3874e08b-fcb8-4aa9-87c4-d36abebf2833 |

Use Again

| ○ Repack and remanufacture | |
|----------------------------|---|
| Circularity Profile | End of Life Information |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |