

Product datasheet

Specifications



circuit breaker Compact NSX400N, 50 kA at 415 VAC, Micrologic 2.3 trip unit 250 A, 4 poles 4d

LV432708

! Discontinued

! Discontinued on: 15 Jun 2023

Important message: This product has been switched to new ComPact range and is no longer commercialized.
EAN Code: 3606480015229

Main

| | |
|--|---|
| Range | ComPact |
| Product name | ComPact NSX |
| Range of product | ComPact NSX400...630 |
| Device short name | NSX400N |
| Product or component type | Circuit breaker |
| Device application | Distribution |
| Number of poles | 4P |
| Protected poles description | 3t 3t + N/2 4t |
| Neutral position | Left |
| [In] rated current | 250 A at 40 °C |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz |
| network type | AC |
| Network frequency | 50/60 Hz |
| Suitability for isolation | Yes conforming to EN/IEC 60947-2 |
| Utilisation category | Category A |
| [Icu] rated ultimate short-circuit breaking capacity | 85 kA at 240 V AC 50/60 Hz conforming to UL 508 22 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 30 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 20 kA at 600 V AC 50/60 Hz conforming to UL 508 50 kA at 480 V AC 50/60 Hz conforming to UL 508 50 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 42 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 |
| Performance level | N 50 kA 415 V AC |
| Trip unit name | MicroLogic 2.3 |
| Trip unit technology | Electronic |
| Trip unit protection functions | LSol |
| Control type | Toggle |
| Circuit breaker mounting mode | Fixed |

Complementary

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|--|--|
| [Ui] rated insulation voltage | 800 V AC 50/60 Hz |
| [Uimp] rated impulse withstand voltage | 8 kV |
| [Ics] rated service short-circuit breaking capacity | 11 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 85 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 10 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 50 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 30 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 42 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 |
| Mechanical durability | 15000 cycles |
| Electrical durability | 3000 cycles at 690 V In 6000 cycles at 690 V In/2 6000 cycles at 440 V In 12000 cycles at 440 V In/2 |
| Mounting support | Backplate |
| Upside connection | Front |
| downside connection | Front |
| Connection pitch | 45 mm |
| Protection type | L : for overload protection (long time) So : for short time short-circuit protection with fixed delay I : for instantaneous short-circuit protection |
| Trip unit rating | 250 A at 40 °C |
| Long-time pick-up adjustment type Ir (thermal protection) | Adjustable 9 settings |
| [Ir] long-time protection pick-up adjustment range | 70...250 A |
| Long-time protection delay adjustment type tr | Fixed |
| [tr] long-time protection delay adjustment range | 16 s at 6 x Ir |
| thermal memory | 20 minutes before and after tripping |
| Short-time protection pick-up adjustment type Isd | Adjustable 9 settings |
| [Isd] Short-time protection pick-up adjustment range | 1.5...10 x Ir |
| Short-time protection delay adjustment type tsd | Fixed |
| Instantaneous protection pick-up adjustment type Ii | Fixed |
| [Ii] instantaneous protection pick-up adjustment range | 3000 A |
| Earth-leakage protection | Without |
| Neutral protection settings | 0.5 x Ir (3t + N/2) 1 x Ir (4t) No protection (3t) |
| Zone selective interlocking ZSI | Without |
| Number of slots for electrical auxiliaries | 6 slot(s) |
| Local signalling | Flashing LED (green) for ready to operate LED 105 % Ir (red) for overload LED 90 % Ir (orange) for overload |
| Width (W) | 185 mm |
| Height (H) | 255 mm |
| Depth (D) | 110 mm |
| Net weight | 7.9 kg |

Environment

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|---------------------------------------|--|
| Standards | EN/IEC 60947 |
| Product certifications | CCC EAC Marine |
| Overvoltage category | Class II |
| Electrical shock protection class | Class II |
| Pollution degree | 3 conforming to IEC 60664-1 |
| IP degree of protection | IP40 conforming to IEC 60529 |
| IK degree of protection | IK07 conforming to IEC 62262 |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -50...85 °C |
| Relative humidity | 0...95 % |
| Operating altitude | 0...2000 m without derating 2000 m...5000 m with derating |

Packing Units

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|------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 15.000 cm |
| Package 1 Width | 20.500 cm |
| Package 1 Length | 29.500 cm |
| Package 1 Weight | 7.393 kg |
| Unit Type of Package 2 | S04 |
| Number of Units in Package 2 | 3 |
| Package 2 Height | 30.000 cm |
| Package 2 Width | 40.000 cm |
| Package 2 Length | 60.000 cm |
| Package 2 Weight | 22.945 kg |

Contractual warranty

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

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

Well-being performance

Mercury Free

Rohs Exemption Information Yes

Certifications & Standards

Reach Regulation [REACH Declaration](#)

Eu Rohs Directive Compliant with Exemptions

China Rohs Regulation [China RoHS declaration](#)
Product out of China RoHS scope. Substance declaration for your information

Environmental Disclosure [Product Environmental Profile](#)

Circularity Profile [End of Life Information](#)