

Product data sheet

Specifications



Circuit breaker, ComPact NSX100F, 36kA/415VAC, TMD trip unit 50A, 3 poles 3d

LV429633

! Discontinued on: 31 March 2022

! To be discontinued

Price* : 1,418.00 USD

Main

| | |
|--|---|
| Range | ComPact |
| Product name | ComPact NSX |
| Range of Product | ComPact NSX100...250 |
| Device short name | NSX100F |
| Product or Component Type | Circuit breaker |
| Device Application | Distribution |
| Number of poles | 3P |
| Protected poles description | 3t |
| Line Rated Current | 50 A 104 °F (40 °C) |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz |
| Network type | AC |
| Network Frequency | 50/60 Hz |
| Suitability for isolation | Yes EN/IEC 60947-2 |
| Utilisation category | Category A |
| [Icu] rated ultimate short-circuit breaking capacity | 10 kA 600 V AC 50/60 Hz UL 508 25 kA 480 V AC 50/60 Hz UL 508 85 kA 240 V AC 50/60 Hz UL 508 22 kA Icu 525 V AC 50/60 Hz IEC 60947-2 25 kA Icu 500 V AC 50/60 Hz IEC 60947-2 35 kA Icu 440 V AC 50/60 Hz IEC 60947-2 36 kA Icu 380/415 V AC 50/60 Hz IEC 60947-2 8 kA Icu 660/690 V AC 50/60 Hz IEC 60947-2 85 kA Icu 220/240 V AC 50/60 Hz IEC 60947-2 |
| Performance level | F 36 kA 415 V AC |
| Trip unit name | TM-D |
| Trip unit technology | Thermal-magnetic |
| Trip unit protection functions | LI |
| Control Type | Toggle |
| Circuit breaker mounting mode | Fixed |

* Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Complementary

| | |
|--|---|
| [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 525 V AC 50/60 Hz IEC 60947-2 35 kA 440 V AC 50/60 Hz IEC 60947-2 36 kA 380/415 V AC 50/60 Hz IEC 60947-2 4 kA 660/690 V AC 50/60 Hz IEC 60947-2 85 kA 220/240 V AC 50/60 Hz IEC 60947-2 12.5 kA 500 V AC 50/60 Hz IEC 60947-2 |
| Mechanical durability | 50000 cycles |
| Electrical durability | 10000 cycles 690 V In 20000 cycles 690 V In/2 30000 cycles 440 V In 50000 cycles 440 V In/2 |
| Mounting Support | Backplate |
| Upside connection | Front |
| Downside connection | Front |
| Connection pitch | 1.38 in (35 mm) |
| Protection type | L : for overload protection (thermal) I : for short-circuit protection (magnetic) |
| Trip unit rating | 50 A 104 °F (40 °C) |
| Long-time pick-up adjustment type Ir (thermal protection) | Adjustable |
| [Ir] long-time protection pick-up adjustment range | 0.7...1 x In |
| Long-time protection delay adjustment type tr | Fixed |
| [Tr] long-time protection delay adjustment range | 120...400 s 1.5 x In 15 s 6 x Ir |
| Short-time protection pick-up adjustment type Isd | Fixed |
| [Isd] Short-time protection pick-up adjustment range | 500 A |
| Short-time protection delay adjustment type tsd | Fixed |
| Earth-leakage protection | Without |
| Number of slots for electrical auxiliaries | 5 |
| Width (W) | 4.13 in (105 mm) |
| Height (H) | 6.34 in (161 mm) |
| Depth (D) | 3.39 in (86 mm) |
| Net Weight | 4.52 lb(US) (2.05 kg) |
| Environment | |
| Standards | EN/IEC 60947 |
| Product Certifications | CCC EAC Marine |
| Overvoltage category | Class II |
| Electrical shock protection class | Class II |
| Pollution degree | 3 IEC 60664-1 |

| | |
|---------------------------------------|---|
| IP degree of protection | IP40 conforming to IEC 60529 |
| IK degree of protection | IK07 IEC 62262 |
| Ambient Air Temperature for Operation | -13...158 °F (-25...70 °C) |
| Ambient Air Temperature for Storage | -58...185 °F (-50...85 °C) |
| Relative humidity | 0...95 % |
| Operating altitude | 0...6561.68 ft (0...2000 m) without derating 2000 m...5000 m with derating |

Ordering and shipping details

| | |
|-------------------|---|
| Category | 01103-H,J,COMPACT NS UL/IEC CIRCUIT BREAKER ACCESSORIES |
| Discount Schedule | DE2 |
| GTIN | 3606480008795 |
| Returnability | No |
| Country of origin | PL |

Packing Units

| | |
|------------------------------|--------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 4.49 in (11.4 cm) |
| Package 1 Width | 5.51 in (14.0 cm) |
| Package 1 Length | 7.80 in (19.8 cm) |
| Package 1 Weight | 3.94 lb(US) (1.788 kg) |
| Unit Type of Package 2 | S04 |
| Number of Units in Package 2 | 12 |
| Package 2 Height | 11.81 in (30.0 cm) |
| Package 2 Width | 15.75 in (40.0 cm) |
| Package 2 Length | 23.62 in (60.0 cm) |
| Package 2 Weight | 48.99 lb(US) (22.222 kg) |

Offer Sustainability

| | |
|----------------------------|--|
| Sustainable offer status | Green Premium product |
| California proposition 65 | WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury free | Yes |
| China RoHS Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information. |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| 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. |

Contractual warranty

Warranty 18 months

Recommended replacement(s)