Product datasheet

Specifications

Sreen Premium™



circuit breaker ComPact NSXm F (36 kA at 415 VAC), 4P 3d, 100 A rating TMD trip unit, EverLink connectors

LV426317

(!) Discontinued

(Discontinued on: 31 Mar 2022

Main

| Range | ComPact |
|---|--|
| Product Name | ComPact NSXm |
| Range Of Product | ComPact NSXm |
| Device Short Name | NSXm 100F |
| Product Or Component Type | Circuit breaker |
| Device Application | Protection Distribution |
| Number Of Poles | 4P |
| Protected Poles Description | 3D |
| Neutral Position | Left |
| [In] Rated Current | 100 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 Icu at 220240 V AC 50/60 Hz conforming to IEC 60947-2 36 kA Icu at 380415 V AC 50/60 Hz conforming to IEC 60947-2 35 kA Icu at 440 V AC 50/60 Hz conforming to 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 | By screws Clip-on |

Complementary

| [Ui] Rated Insulation Voltage | 800 V AC 50/60 Hz |
|---|-------------------|
| [Uimp] Rated Impulse Withstand Voltage | 8 kV |

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| [Ics] Rated Service Short-Circuit Breaking Capacity | 85 kA at 220240 V AC 50/60 Hz conforming to IEC 60947-2 36 kA at 380415 V AC 50/60 Hz conforming to IEC 60947-2 30 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 |
|--|--|
| Mechanical Durability | 20000 cycles |
| Electrical Durability | 10000 cycles at 440 V In 20000 cycles at 440 V In/2 5000 cycles at 690 V In 10000 cycles at 690 V In/2 |
| Mounting Support | Plate DIN rail |
| Connection Terminals | 1 Everlink lug wire size 2.595 mm², rigid or stranded aluminium/copper 1 Everlink lug wire size 2.570 mm², flexible copper |
| Connection Pitch | 35 mm with spreaders 27 mm without spreaders |
| 9 Mm Pitches | 12 module |
| Protection Type | L : for overload protection (thermal) I : for short-circuit protection (magnetic) |
| Trip Unit Rating | 100 A at 40 °C |
| Long-Time Pick-Up Adjustment Type Ir (Thermal Protection) | Adjustable |
| [Ir] Long-Time Protection Pick-Up Adjustment Range | 0.71 x ln |
| Long-Time Protection Delay Adjustment Type Tr | Fixed |
| [Im] Magnetic Protection Pick-Up Range | 1250 A |
| Earth-Leakage Protection | Without |
| Number Of Slots For Electrical Auxiliaries | 1 slot(s) for auxiliary switch OF 1 slot(s) for alarm switch SD 1 slot(s) for voltage release MN or MX |
| Width (W) | 108 mm |
| Height (H) | 137 mm |
| Depth (D) | 80 mm |
| Net Weight | 1.42 kg |
| Colour | Grey (RAL 7016) |

Environment

| Standards | EN/IEC 60947 |
|--|--|
| Product Certifications | CCC EAC Marine |
| 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 | -2570 °C |
| Ambient Air Temperature For Storage | -5085 °C |
| Relative Humidity | 095 % |
| Operating Altitude | 02000 m without derating 20005000 m with derating |

Packing Units

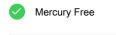
| Unit Type Of Package 1 | PCE |
|------------------------------|-----------|
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 11.7 cm |
| Package 1 Width | 12.5 cm |
| Package 1 Length | 22 cm |
| Package 1 Weight | 1.6 kg |
| Unit Type Of Package 2 | S03 |
| Number Of Units In Package 2 | 6 |
| Package 2 Height | 30 cm |
| Package 2 Width | 30 cm |
| Package 2 Length | 40 cm |
| Package 2 Weight | 10.19 kg |
| Unit Type Of Package 3 | P12 |
| Number Of Units In Package 3 | 144 |
| Package 3 Height | 80 cm |
| Package 3 Width | 80 cm |
| Package 3 Length | 120 cm |
| Package 3 Weight | 254.49 kg |

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



Transparency RoHS/REACh

Well-being performance



Rohs Exemption Information Yes

Certifications & Standards

| Reach Regulation | REACh Declaration |
|--------------------------|---|
| Eu Rohs Directive | Compliant EU RoHS Declaration |
| China Rohs Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information |
| Environmental Disclosure | Product Environmental Profile |
| Weee | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |