# Product datasheet

Specifications

Green Premium™

Discontinued

## circuit breaker ComPact NSXm B (25 kA at 415 VAC), 4P 3d, 100 A rating TMD trip unit, compression lugs and busbar connectors

LV426267

Discontinued on: 13 Nov 2022

End-of-service on: 26 Oct 2023

## Main

| | |
|---|---|
| **Range** | ComPact |
| **Product Name** | ComPact NSXm |
| **Range Of Product** | ComPact NSXm |
| **Device Short Name** | NSXm 100B |
| **Product Or Component Type** | Circuit breaker |
| **Device Application** | Distribution<br>Protection |
| **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** | 50 kA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2<br>25 kA Icu at 380...415 V AC 50/60 Hz conforming to IEC 60947-2<br>20 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 |
| **Performance Level** | B 25 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<br>Clip-on |

## Complementary

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

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

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|---|---|
| **[Ics] Rated Service Short-Circuit Breaking Capacity** | 50 kA at 220...240 V AC 50/60 Hz conforming to IEC 60947-2<br>25 kA at 380...415 V AC 50/60 Hz conforming to IEC 60947-2<br>20 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 |
| **Mechanical Durability** | 20000 cycles |
| **Electrical Durability** | 10000 cycles at 440 V In<br>20000 cycles at 440 V In/2<br>5000 cycles at 690 V In<br>10000 cycles at 690 V In/2 |
| **Mounting Support** | Plate<br>DIN rail |
| **Connection Terminals** | compression lug/busbar |
| **Connection Pitch** | 35 mm with spreaders<br>27 mm without spreaders |
| **9 Mm Pitches** | 12 module |
| **Protection Type** | L : for overload protection (thermal)<br>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** | 0.7...1 x In |
| **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<br>1 slot(s) for alarm switch SD<br>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

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|---|---|
| **Standards** | EN/IEC 60947 |
| **Product Certifications** | CCC<br>EAC<br>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** | -25…70 °C |
| **Ambient Air Temperature For Storage** | -50…85 °C |
| **Relative Humidity** | 0…95 % |
| **Operating Altitude** | 0...2000 m without derating<br>2000...5000 m with derating |

## Packing Units

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|---|---|
| **Unit Type Of Package 1** | PCE |

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|---|---|
| **Number Of Units In Package 1** | 1 |
| **Package 1 Height** | 12.4 cm |
| **Package 1 Width** | 11.7 cm |
| **Package 1 Length** | 21 cm |
| **Package 1 Weight** | 1.383 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** | 48 |
| **Package 3 Height** | 50 cm |
| **Package 3 Width** | 80 cm |
| **Package 3 Length** | 120 cm |
| **Package 3 Weight** | 93.52 kg |

## 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-$CO_2$ products.

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

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

## Well-being performance

Mercury Free

| | |
|---|---|
| Rohs Exemption Information | Yes |

## Certifications & Standards

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|---|---|
| **Reach Regulation** | REACh Declaration |
| **Eu Rohs Directive** | Compliant with Exemptions |
| **China Rohs Regulation** | China RoHS declaration<br>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 |
| **Circularity Profile** | No need of specific recycling operations |