# Product data sheet

Specifications





Circuit breaker ComPacT NSXm N (50kA at 415VAC), 3 Poles 3d, 16A rating TMD trip unit, compression lugs and busbar connectors

C11N3TM016B

#### Main

| Range   | ComPacT new generation  |  |
|---|---|--|
| Product Name  | ComPacT NSXm new generation   |  |
| Range Of Product  | ComPacT NSXm new generation   |  |
| Device Short Name                                       | NSXm 63N  |  |
| Product Or Component Type                               | Circuit breaker   |  |
| Device Application                                      | Distribution  |  |
| Poles Description                                       | 3P  |  |
| Protected Poles Description                             | 3D  |  |
| [In] Rated Current                                      | 16 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 IEC 60947-2   |  |
| Utilisation Category                                    | Category A  |  |
| [Icu] Rated Ultimate Short-Circuit<br>Breaking Capacity | 90 kA lcu at 220240 V AC 50/60 Hz conforming to IEC 60947-2<br>50 kA lcu at 380415 V AC 50/60 Hz conforming to IEC 60947-2<br>50 kA lcu at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>25 kA lcu at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>15 kA lcu at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>10 kA lcu at 660690 V AC 50/60 Hz conforming to IEC 60947-2 |  |
| Performance Level                                       | N 50 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   |  |

#### Complementary

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

| [Ics] Rated Service Short-Circuit<br>Breaking Capacity       | 90 kA at 220240 V AC 50/60 Hz conforming to IEC 60947-2<br>50 kA at 380415 V AC 50/60 Hz conforming to IEC 60947-2<br>50 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>25 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>15 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>2.5 kA at 660690 V AC 50/60 Hz conforming to IEC 60947-2 |
|--|--|
| Mechanical Durability  | 20000 cycles   |
| Electrical Durability  | 20000 cycles at 440 V ln/2<br>10000 cycles at 440 V ln<br>10000 cycles at 690 V ln/2<br>5000 cycles at 690 V ln  |
| Power Dissipation Per Pole                                   | 2.4 W  |
| Mounting Support   | Backplate  |
| Mounting Position  | Horizontal and vertical<br>Flat on the back  |
| Upside Connection  | Front  |
| Downside Connection  | Front  |
| Connection Terminals   | compression lug/busbar   |
| Connection Pitch   | 35 mm with spreaders<br>27 mm without spreaders  |
| 9 Mm Pitches   | 9 module   |
| Trip Unit Rating   | 16 A at 40 °C  |
| Long-Time Pick-Up Adjustment<br>Type Ir (Thermal Protection) | Adjustable   |
| [Ir] Long-Time Protection Pick-Up<br>Adjustment Range        | 0.71 x ln  |
| Long-Time Protection Delay<br>Adjustment Type Tr             | Fixed  |
| Instantaneous Protection Pick-Up<br>Adjustment Type li       | Fixed  |
| [li] Instantaneous Protection Pick-<br>Up Adjustment Range   | 500 A  |
| Earth-Leakage Protection                                     | Without  |
| Number Of Slots For Electrical<br>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   |
| Local Signalling   | Flag (green) for presence of auxiliary contacts  |
| Width (W)  | 81 mm  |
| Height (H)   | 137 mm   |
| Depth (D)  | 80 mm  |
| Net Weight   | 1.06 kg  |
| Colour   | Grey (RAL 7016)  |

## Environment

| Standards                                | EN/IEC 60947                 |  |
|--|------------------------------|--|
| 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<br>Operation | -2570 °C                     |  |
| Ambient Air Temperature For<br>Storage   | -5085 °C                     |  |
| Relative Humidity                        | 095 %                        |  |

2000 m without derating 5000 m with derating

### **Packing Units**

| Unit Type Of Package 1       | PCE       |
|------------------------------|-----------|
| Number Of Units In Package 1 | 1         |
| Package 1 Height             | 9 cm      |
| Package 1 Width              | 13 cm     |
| Package 1 Length             | 22 cm     |
| Package 1 Weight             | 1.159 kg  |
| Unit Type Of Package 2       | S03       |
| Number Of Units In Package 2 | 9         |
| Package 2 Height             | 30 cm     |
| Package 2 Width              | 30 cm     |
| Package 2 Length             | 40 cm     |
| Package 2 Weight             | 12.29 kg  |
| Unit Type Of Package 3       | P12       |
| Number Of Units In Package 3 | 216       |
| Package 3 Height             | 150 cm    |
| Package 3 Width              | 80 cm     |
| Package 3 Length             | 120 cm    |
| Package 3 Weight             | 304.89 kg |

# Sustainability Screen

**Green Premium<sup>TM</sup> 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-CO<sub>2</sub> products.





RoHS/REACh

#### Well-being performance

| Mercury Free                       |     |
|------------------------------------|-----|
| Rohs Exemption Information         | Yes |
| Halogen Free Plastic Parts Product |     |

### **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 |
| Circularity Profile   | No need of specific recycling operations                                    |