

# Product data sheet

Specifications



circuit breaker ComPact NSXm H  
(70 kA at 415 VAC), 4P 4d, 50 A  
rating TMD trip unit, compression  
lugs and busbar connectors

LV426574

⚠ Discontinued on: Oct 26, 2023

⚠ Discontinued

Important message: This product has been switched to new  
ComPacT range and is no longer commercialized.

## Main

|   |   |
|---|---|
| Range   | ComPact   |
| Product Name  | ComPact NSXm  |
| Range Of Product  | ComPact NSXm  |
| Device Short Name                                       | NSXm 50H  |
| Product Or Component Type                               | Circuit breaker   |
| Device Application                                      | Distribution<br>Protection  |
| Number Of Poles   | 4P  |
| Protected Poles Description                             | 4D  |
| Neutral Position  | Left  |
| [In] Rated Current                                      | 50 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<br>Breaking Capacity | 100 kA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2<br>70 kA Icu at 380...415 V AC 50/60 Hz conforming to IEC 60947-2<br>65 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>30 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>22 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>10 kA Icu at 660...690 V AC 50/60 Hz conforming to IEC 60947-2 |
| Performance Level                                       | H 70 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

|                               |                   |
|-------------------------------|-------------------|
| [Ui] Rated Insulation Voltage | 800 V AC 50/60 Hz |
|-------------------------------|-------------------|

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

|  |  |
|--|--|
| <b>[Uimp] Rated Impulse Withstand Voltage</b>                    | 8 kV   |
| <b>[Ics] Rated Service Short-Circuit Breaking Capacity</b>       | 100 kA at 220...240 V AC 50/60 Hz conforming to IEC 60947-2<br>70 kA at 380...415 V AC 50/60 Hz conforming to IEC 60947-2<br>65 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>30 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>22 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>2.5 kA at 660...690 V AC 50/60 Hz conforming to IEC 60947-2 |
| <b>Mechanical Durability</b>                                     | 20000 cycles   |
| <b>Electrical Durability</b>                                     | 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  |
| <b>Mounting Support</b>  | Plate<br>DIN rail  |
| <b>Connection Terminals</b>                                      | compression lug/busbar   |
| <b>Connection Pitch</b>  | 35 mm with spreaders<br>27 mm without spreaders  |
| <b>9 Mm Pitches</b>  | 12 module  |
| <b>Protection Type</b>   | L : for overload protection (thermal)<br>I : for short-circuit protection (magnetic)   |
| <b>Trip Unit Rating</b>  | 50 A at 40 °C  |
| <b>Long-Time Pick-Up Adjustment Type Ir (Thermal Protection)</b> | Adjustable   |
| <b>[Ir] Long-Time Protection Pick-Up Adjustment Range</b>        | 0.7...1 x In   |
| <b>Long-Time Protection Delay Adjustment Type Tr</b>             | Fixed  |
| <b>[Im] Magnetic Protection Pick-Up Range</b>                    | 600 A  |
| <b>Earth-Leakage Protection</b>                                  | Without  |
| <b>Number Of Slots For Electrical Auxiliaries</b>                | 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   |
| <b>Width (W)</b>   | 108 mm   |
| <b>Height (H)</b>  | 137 mm   |
| <b>Depth (D)</b>   | 80 mm  |
| <b>Net Weight</b>  | 1.42 kg  |
| <b>Colour</b>  | Grey (RAL 7016)  |

## Environment

|  |  |
|--|--|
| <b>Standards</b>                             | EN/IEC 60947   |
| <b>Product Certifications</b>                | CCC<br>EAC<br>Marine                                       |
| <b>Pollution Degree</b>                      | 3 conforming to IEC 60664-1                                |
| <b>Ip Degree Of Protection</b>               | IP40 conforming to IEC 60529                               |
| <b>Ik Degree Of Protection</b>               | IK07 conforming to IEC 62262                               |
| <b>Ambient Air Temperature For Operation</b> | -25...70 °C  |
| <b>Ambient Air Temperature For Storage</b>   | -50...85 °C  |
| <b>Relative Humidity</b>                     | 0...95 %   |
| <b>Operating Altitude</b>                    | 0...2000 m without derating<br>2000...5000 m with derating |

# Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type Of Package 1       | PCE       |
| Number Of Units In Package 1 | 1         |
| Package 1 Height             | 12.5 cm   |
| Package 1 Width              | 11.7 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             | 110 cm    |
| Package 3 Width              | 80 cm     |
| Package 3 Length             | 120 cm    |
| Package 3 Weight             | 254.49 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<sub>2</sub> 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

|                           |  |
|---------------------------|--|
| Reach Regulation          | <a href="#">REACH Declaration</a>  |
| Eu Rohs Directive         | Compliant with Exemptions  |
| China Rohs Regulation     | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information  |
| Environmental Disclosure  | <a href="#">Product Environmental Profile</a>  |
| 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   |
| California Proposition 65 | WARNING: This product can expose you to chemicals including: DINP, which is known to the State of California to cause cancer, and DIDP, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |