


Product data sheet

Specifications



circuit breaker ComPact NSXm H
(70 kA at 415 VAC), 4P 4d, 100 A
rating Micrologic 4.1 trip unit,
EverLink connectors

LV426747

 **Discontinued on:** Dec 25, 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 100H |
| Product Or Component Type | Earth leakage circuit breaker |
| Device Application | Distribution Protection |
| Number Of Poles | 4P |
| Protected Poles Description | 4D |
| Neutral Position | Left |
| [In] Rated Current | 100 A at 40 °C |
| [Ue] Rated Operational Voltage | 440 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 | 100 kA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 70 kA Icu at 380...415 V AC 50/60 Hz conforming to IEC 60947-2 65 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 |
| Performance Level | H 70 kA 415 V AC |
| Trip Unit Name | MicroLogic 4.1 |
| Trip Unit Technology | Electronic |
| Trip Unit Protection Functions | LSolR |
| Control Type | Toggle |
| Circuit Breaker Mounting Mode | By screws Clip-on |

Complementary

| | |
|---|-------------------|
| [Ui] Rated Insulation Voltage | 500 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

| | |
|--|---|
| [Ics] Rated Service Short-Circuit Breaking Capacity | 100 kA at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 70 kA at 380...415 V AC 50/60 Hz conforming to IEC 60947-2 65 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 20000 cycles at 440 V In/2 |
| Mounting Support | Plate DIN rail |
| Connection Terminals | 1 Everlink lug wire size 2.5...70 mm², fine stranded copper 1 Everlink lug wire size 2.5...95 mm², rigid or stranded aluminium/copper |
| Connection Pitch | 35 mm with spreaders 27 mm without spreaders |
| 9 Mm Pitches | 12 module |
| Protection Type | L : for overload protection (thermal) So : for short time short-circuit protection with fixed delay I : for instantaneous short-circuit protection R : for earth-leakage protection |
| Trip Unit Rating | 100 A at 40 °C |
| Long-Time Pick-Up Adjustment Type Ir (Thermal Protection) | Adjustable 9 settings |
| [Ir] Long-Time Protection Pick-Up Adjustment Range | 40...100 A |
| Long-Time Protection Delay Adjustment Type Tr | Fixed |
| [Tr] Long-Time Protection Delay Adjustment Range | 5 s at 7.2 x Ir 8 s at 6 x Ir 200 s at 1.5 x Ir |
| Thermal Memory | 20 minutes before and after tripping |
| Short-Time Protection Pick-Up Adjustment Type Isd | Adjustable 9 settings |
| [Isd] Short-Time Protection Pick-Up Adjustment Range | 1.5...10 x Ir |
| Short-Time Protection Delay Adjustment Type Tsd | Fixed |
| [Tsd] Short-Time Protection Delay Adjustment Range | 0.02 s |
| Instantaneous Protection Pick-Up Adjustment Type Ii | Fixed |
| [Ii] Instantaneous Protection Pick-Up Adjustment Range | 1500 A |
| Earth-Leakage Protection | Integrated |
| Earth-Leakage Protection Sensitivity Adjustment Type Iōn | Adjustable |
| [Iōn] Earth-Leakage Protection Sensitivity Adjustment Range | 0.03...5 A |
| Earth-Leakage Sensitivity | 30 mA for class A 100 mA for class A 300 mA for class A 500 mA for class A 1000 mA for class A 30 mA for class AC 100 mA for class AC 300 mA for class AC 500 mA for class AC 1000 mA for class AC 3000 mA for class AC 5000 mA for class AC |
| Earth-Leakage Protection Time Delay Adjustment Type Δt | Adjustable |
| [Δt] Earth-Leakage Protection Time Delay Adjustment Range | 0 ms 60 ms 150 ms 500 ms 1000 ms |

| | |
|--|---|
| Neutral Protection Settings | No protection 1 x Ir 0.5 x Ir |
| 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 |
| Local Signalling | Flashing LED (green) for ready to operate LED 105 % Ir (red) for overload LED 90 % Ir (orange) for overload |
| Width (W) | 108 mm |
| Height (H) | 144 mm |
| Depth (D) | 80 mm |
| Net Weight | 1.63 kg |
| Colour | Grey (RAL 7016) |

Environment

| | |
|---------------------------------------|--|
| Standards | EN/IEC 60947 |
| Product Certifications | CCC EAC |
| 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 | -40...85 °C |
| Relative Humidity | 0...95 % |
| Operating Altitude | 0...2000 m without derating 2000...5000 m with derating |

Packing Units

| | |
|------------------------------|----------|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 15.5 cm |
| Package 1 Width | 13.5 cm |
| Package 1 Length | 19.0 cm |
| Package 1 Weight | 1.882 kg |
| Unit Type Of Package 2 | S03 |
| Number Of Units In Package 2 | 4 |
| Package 2 Height | 30 cm |
| Package 2 Width | 30 cm |
| Package 2 Length | 40 cm |
| Package 2 Weight | 7.969 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-CO₂ 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 | REACH Declaration |
| Eu Rohs Directive | Compliant with Exemptions |
| 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 |
| Circularity Profile | End of Life Information |
| 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 www.P65Warnings.ca.gov |