

# Product datasheet

Specifications



circuit breaker ComPact NSXm B (25 kA at 415 VAC). 3P 3d. 100 A rating TMD trip unit. EverLink connectors

LV426207

⚠ Discontinued on: 20 Nov 2023

⚠ Discontinued

Price: 4,289.54 ZAR

## 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 Protection                                                                                                                                                                      |
| Number Of Poles                                      | 3P                                                                                                                                                                                           |
| Protected Poles Description                          | 3D                                                                                                                                                                                           |
| [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

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

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

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

|                                                           |                                                                                                                                     |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| 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                                      | 1 Everlink lug wire size 2.5...95 mm², rigid or stranded aluminium/copper<br>1 Everlink lug wire size 2.5...70 mm², flexible copper |
| Connection Pitch                                          | 35 mm with spreaders<br>27 mm without spreaders                                                                                     |
| 9 Mm Pitches                                              | 9 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)                                                 | 81 mm                                                                                                                               |
| Height (H)                                                | 137 mm                                                                                                                              |
| Depth (D)                                                 | 80 mm                                                                                                                               |
| Net Weight                                                | 1.06 kg                                                                                                                             |
| Colour                                                    | Grey (RAL 7016)                                                                                                                     |

## Environment

|                                       |                                                            |
|---------------------------------------|------------------------------------------------------------|
| 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

|                              |     |
|------------------------------|-----|
| Unit Type Of Package 1       | PCE |
| Number Of Units In Package 1 | 1   |

|                              |           |
|------------------------------|-----------|
| Package 1 Height             | 9 cm      |
| Package 1 Width              | 12.5 cm   |
| Package 1 Length             | 22 cm     |
| Package 1 Weight             | 1.3 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 | 72        |
| Package 3 Height             | 50 cm     |
| Package 3 Width              | 80 cm     |
| Package 3 Length             | 120 cm    |
| Package 3 Weight             | 110.32 kg |

Sustainability



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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                                                                                    |