

# Product datasheet

Specifications



circuit breaker ComPacT NSXm B (25 kA at 415 VAC). 3P 3d. 125 A rating TMD trip unit. EverLink connectors

C12B3TM125L

**Price: 5,189.89 ZAR**

## Main

|  |  |
|--|--|
| Range  | ComPacT new generation   |
| Product Name   | ComPacT NSXm new generation  |
| Range Of Product                                     | ComPacT NSXm new generation  |
| Device Short Name                                    | NSXm 160B  |
| Product Or Component Type                            | Circuit breaker  |
| Device Application                                   | Distribution   |
| Poles Description                                    | 3P   |
| Protected Poles Description                          | 3D   |
| [In] Rated Current                                   | 125 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 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                        | Fixed  |

## Complementary

|   |  |
|---|--|
| [Ui] 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 |
| Mechanical Durability                               | 20000 cycles   |

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

|  |   |
|--|---|
| <b>Electrical Durability</b>                                     | 20000 cycles at 440 V In/2<br>10000 cycles at 440 V In<br>10000 cycles at 690 V In/2<br>5000 cycles at 690 V In                                     |
| <b>Power Dissipation Per Pole</b>                                | 9.64 W  |
| <b>Mounting Support</b>  | Backplate   |
| <b>Mounting Position</b>   | Horizontal and vertical<br>Flat on the back   |
| <b>Upside Connection</b>   | Front   |
| <b>Downside Connection</b>                                       | Front   |
| <b>Connection Terminals</b>                                      | 1 Everlink lug wire size 2.5...70 mm <sup>2</sup> , flexible copper<br>1 Everlink lug wire size 2.5...95 mm <sup>2</sup> , rigid or stranded copper |
| <b>Connection Pitch</b>  | 35 mm with spreaders<br>27 mm without spreaders   |
| <b>9 Mm Pitches</b>  | 9 module  |
| <b>Trip Unit Rating</b>  | 125 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>Instantaneous Protection Pick-Up Adjustment Type Ii</b>       | Fixed   |
| <b>[Ii] Instantaneous Protection Pick-Up Adjustment Range</b>    | 1250 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>Local Signalling</b>  | Flag (green) for presence of auxiliary contacts   |
| <b>Width (W)</b>   | 81 mm   |
| <b>Height (H)</b>  | 137 mm  |
| <b>Depth (D)</b>   | 80 mm   |
| <b>Net Weight</b>  | 1.06 kg   |
| <b>Colour</b>  | Grey (RAL 7016)   |

## Environment

|  |   |
|--|---|
| <b>Standards</b>                             | EN/IEC 60947                                    |
| <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>                    | 2000 m without derating<br>5000 m with derating |

## Packing Units

|                               |     |
|-------------------------------|-----|
| <b>Unit Type Of Package 1</b> | PCE |
|-------------------------------|-----|

|                                     |           |
|-------------------------------------|-----------|
| <b>Number Of Units In Package 1</b> | 1         |
| <b>Package 1 Height</b>             | 12.0 cm   |
| <b>Package 1 Width</b>              | 9.0 cm    |
| <b>Package 1 Length</b>             | 21.0 cm   |
| <b>Package 1 Weight</b>             | 1.208 kg  |
| <b>Unit Type Of Package 2</b>       | S03       |
| <b>Number Of Units In Package 2</b> | 9         |
| <b>Package 2 Height</b>             | 30.0 cm   |
| <b>Package 2 Width</b>              | 30.0 cm   |
| <b>Package 2 Length</b>             | 40.0 cm   |
| <b>Package 2 Weight</b>             | 11.258 kg |

## Sustainability

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Transparency 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 with Exemptions

China Rohs Regulation [China RoHS declaration](#)  
Product out of China RoHS scope. Substance declaration for your information

Environmental Disclosure [Product Environmental Profile](#)

Circularity Profile No need of specific recycling operations