

# Product datasheet

Specifications



trip unit TM50D for ComPacT NSX 100/160 circuit breakers. thermal magnetic. rating 50 A. 3 poles 3d

C103TM050

Price: 2,107.86 ZAR

## Main

|                                |                                                                                                    |
|--------------------------------|----------------------------------------------------------------------------------------------------|
| Range                          | ComPacT new generation                                                                             |
| Range Of Product               | ComPacT NSX100...250 new generation<br>ComPacT NSX100...250 DC new generation                      |
| Product Or Component Type      | Trip unit                                                                                          |
| Trip Unit Name                 | TM-D                                                                                               |
| Trip Unit Technology           | Thermal-magnetic                                                                                   |
| Range Compatibility            | ComPacT new generation NSX100<br>ComPacT new generation NSX160<br>ComPacT new generation NSX100 DC |
| Device Application             | Distribution                                                                                       |
| Poles Description              | 3P                                                                                                 |
| Protected Poles Description    | 3D                                                                                                 |
| Trip Unit Protection Functions | LI                                                                                                 |
| Protection Type                | L : for overload protection (thermal)<br>I : for short-circuit protection (magnetic)               |
| Trip Unit Rating               | 50 A at 40 °C                                                                                      |
| [Ue] Rated Operational Voltage | 690 V AC 50/60 Hz<br>750 V DC                                                                      |
| Network Type                   | AC<br>DC                                                                                           |
| Network Frequency              | 50/60 Hz                                                                                           |
| Circuit Breaker Mounting Mode  | Fixed                                                                                              |

## Complementary

|                                                           |                                           |
|-----------------------------------------------------------|-------------------------------------------|
| 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                                     |
| [Tr] Long-Time Protection Delay Adjustment Range          | 120...400 s at 1.5 x In<br>15 s at 6 x Ir |
| Instantaneous Protection Pick-Up Adjustment Type Ii       | Fixed                                     |
| [Ii] Instantaneous Protection Pick-Up Adjustment Range    | 500 A                                     |
| Earth-Leakage Protection                                  | Without                                   |

## Environment

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

|                                       |                              |
|---------------------------------------|------------------------------|
| Standards                             | EN/IEC 60947-2               |
| Electrical Shock Protection Class     | Class II                     |
| Pollution Degree                      | 3 conforming to IEC 60947-1  |
| Ip Degree Of Protection               | IP40 conforming to IEC 60529 |
| Ambient Air Temperature For Operation | -25...70 °C                  |
| Ambient Air Temperature For Storage   | -50...85 °C                  |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type Of Package 1       | PCE      |
| Number Of Units In Package 1 | 1        |
| Package 1 Height             | 7.0 cm   |
| Package 1 Width              | 10.0 cm  |
| Package 1 Length             | 11.5 cm  |
| Package 1 Weight             | 412.0 g  |
| Unit Type Of Package 2       | S03      |
| Number Of Units In Package 2 | 28       |
| Package 2 Height             | 30.0 cm  |
| Package 2 Width              | 30.0 cm  |
| Package 2 Length             | 40.0 cm  |
| Package 2 Weight             | 11.86 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.

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[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>                                                                         |
| Circularity Profile      | <a href="#">End of Life Information</a>                                                                               |