

## Product data sheet

### Characteristics

## C103TM050

Trip unit TM50D, ComPacT NSX100/160, 3 poles, thermal magnetic protections, 50A rating



### 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 li       | Fixed                                     |
| [li] instantaneous protection pick-up adjustment range    | 500 A                                     |
| Earth-leakage protection                                  | Without                                   |

### Environment

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

## Offer Sustainability

|                            |                                                                                                                                 |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| REACH Regulation           |  <a href="#">REACH Declaration</a>             |
| EU RoHS Directive          | Compliant  <a href="#">EU RoHS Declaration</a> |
| Mercury free               | Yes                                                                                                                             |
| RoHS exemption information |  <a href="#">Yes</a>                           |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>        |