

# Product datasheet

Specifications



trip unit TM80D for ComPacT  
NSX 100/160/250 circuit breakers,  
thermal magnetic, rating 80 A, 3  
poles 3d

C103TM080

## Main

|                                |                                                                                                 |
|--------------------------------|-------------------------------------------------------------------------------------------------|
| Range                          | ComPacT new generation                                                                          |
| Range of product               | ComPacT NSX100...250 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 NSX250 |
| Device application             | Distribution                                                                                    |
| Poles description              | 3P                                                                                              |
| Protected poles description    | 3t                                                                                              |
| Trip unit protection functions | LI                                                                                              |
| Protection type                | L : for overload protection (thermal)<br>I : for short-circuit protection (magnetic)            |
| Trip unit rating               | 80 A at 40 °C                                                                                   |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz                                                                               |
| Network type                   | AC                                                                                              |
| 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 |
| Short-time protection pick-up adjustment type Isd         | Fixed                                     |
| [Isd] Short-time protection pick-up adjustment range      | 640 A                                     |

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

|                                                 |         |
|-------------------------------------------------|---------|
| Short-time protection delay adjustment type tsd | Fixed   |
| Earth-leakage protection                        | Without |

## Environment

|                                       |                             |
|---------------------------------------|-----------------------------|
| Standards                             | EN/IEC 60947-2<br>UL 508    |
| Product certifications                | Marine<br>CCC<br>EAC        |
| Pollution degree                      | 3 conforming to IEC 60947-1 |
| 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 Weight             | 390.0 g   |
| Package 1 Height             | 7 cm      |
| Package 1 width              | 10 cm     |
| Package 1 Length             | 11.5 cm   |
| Unit Type of Package 2       | S03       |
| Number of Units in Package 2 | 28        |
| Package 2 Weight             | 11.216 kg |
| Package 2 Height             | 30 cm     |
| Package 2 width              | 30 cm     |
| Package 2 Length             | 40 cm     |

## Offer Sustainability

|                            |                                                                                                                       |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------|
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                     |
| EU RoHS Directive          | Compliant<br><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><br>Product out of China RoHS scope. Substance declaration for your information |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|