

# Product datasheet

Specifications



## 3P3D TM250G DC TRIP UNIT FOR NSX100-250 CIRCUIT BREAKER

LV430089

⚠ Discontinued on: 3 Jan 2024

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### Main

|                                |  |
|--------------------------------|--|
| Range                          | ComPact  |
| Range of product               | ComPact NSX100...250 DC  |
| Product or component type      | Trip unit  |
| Trip unit name                 | TM-G   |
| Trip unit technology           | Thermal-magnetic   |
| Range compatibility            | ComPact NSX100 DC<br>ComPact NSX160 DC<br>ComPact NSX250 DC                          |
| Device application             | Generator  |
| Number of poles                | 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 rated current        | 250 A at 40 °C   |
| [Ue] rated operational voltage | 750 V DC   |
| Network type                   | DC   |
| Circuit breaker mounting mode  | Fixed  |

### Complementary

|  |                            |
|--|----------------------------|
| Long-time pick-up adjustment type $I_r$ (thermal protection) | Adjustable                 |
| [ $I_r$ ] long-time protection pick-up adjustment range      | 0.7...1 x $I_n$            |
| Long-time protection delay adjustment type $t_r$             | Fixed                      |
| [ $t_r$ ] long-time protection delay adjustment range        | 120...400 s at 1.5 x $I_n$ |
| Short-time protection pick-up adjustment type $I_{sd}$       | Fixed                      |
| [ $I_{sd}$ ] Short-time protection pick-up adjustment range  | 63                         |

### Environment

|                        |                          |
|------------------------|--------------------------|
| Standards              | UL 508<br>EN/IEC 60947-2 |
| Product certifications | EAC<br>Marine<br>CCC     |

|  |                              |
|--|------------------------------|
| <b>Pollution degree</b>                      | 3 conforming to IEC 60947-1  |
| <b>IP degree of protection</b>               | IP40 conforming to IEC 60529 |
| <b>Ambient air temperature for operation</b> | -25...70 °C                  |
| <b>Ambient air temperature for storage</b>   | -50...85 °C                  |

## Packing Units

|                                     |         |
|-------------------------------------|---------|
| <b>Unit Type of Package 1</b>       | PCE     |
| <b>Number of Units in Package 1</b> | 1       |
| <b>Package 1 Height</b>             | 9.0 cm  |
| <b>Package 1 Width</b>              | 6.0 cm  |
| <b>Package 1 Length</b>             | 10.5 cm |
| <b>Package 1 Weight</b>             | 360.0 g |

## Contractual warranty

|                             |    |
|-----------------------------|----|
| <b>Warranty (in months)</b> | 18 |
|-----------------------------|----|



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Use Better



#### Materials and Substances

EU RoHS Directive

[Compliant](#)

### Use Longer



#### Lifetime extension

Repair

No

### Use Again



#### Repack and remanufacture

WEEE Label



The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins