

# Product data sheet

Specifications



circuit breaker ComPacT NSX250B,  
25 kA at 415 VAC, TMD trip unit 200  
A, 3 poles 3d

C25B3TM200

## Main

|  |  |
|--|--|
| Range  | ComPacT new generation   |
| Product name   | ComPacT NSX new generation   |
| Device short name                                    | NSX250B  |
| Product or component type                            | Circuit breaker  |
| Device application                                   | Distribution   |
| Poles description                                    | 3P   |
| Protected poles description                          | 3t   |
| [In] rated current                                   | 200 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 EN/IEC 60947-2   |
| Utilisation category                                 | Category A   |
| [Icu] rated ultimate short-circuit breaking capacity | 15 kA Icu at 500 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<br>25 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>40 kA Icu at 220/240 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 | 20 kA at 440 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>40 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>15 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 |
| Mechanical durability                               | 20000 cycles   |

|  |   |
|--|---|
| <b>Electrical durability</b>                                     | 5000 cycles at 690 V In<br>10000 cycles at 690 V In/2<br>10000 cycles at 440 V In<br>20000 cycles at 440 V In/2 |
| <b>Power losses</b>  | 15.4 W  |
| <b>Mounting support</b>  | Backplate   |
| <b>Upside connection</b>   | Front   |
| <b>Downside connection</b>                                       | Front   |
| <b>Connection pitch</b>  | 35 mm   |
| <b>Protection type</b>   | L : for overload protection (thermal)<br>I : for short-circuit protection (magnetic)                            |
| <b>Trip unit rating</b>  | 200 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>[Tr] long-time protection delay adjustment range</b>          | 120...400 s at 1.5 x In<br>15 s at 6 x Ir   |
| <b>Short-time protection pick-up adjustment type Isd</b>         | Adjustable  |
| <b>[Isd] Short-time protection pick-up adjustment range</b>      | 5...10 x In   |
| <b>Short-time protection delay adjustment type tsd</b>           | Fixed   |
| <b>Earth-leakage protection</b>                                  | Without   |
| <b>Number of slots for electrical auxiliaries</b>                | 5 slot(s)   |
| <b>Width (W)</b>   | 105 mm  |
| <b>Height (H)</b>  | 161 mm  |
| <b>Depth (D)</b>   | 86 mm   |
| <b>Net weight</b>  | 2.4 kg  |

## Environment

|  |  |
|--|--|
| <b>Standards</b>                             | EN/IEC 60947   |
| <b>Product certifications</b>                | CCC<br>EAC<br>Marine   |
| <b>Overvoltage category</b>                  | Class II   |
| <b>Electrical shock protection class</b>     | Class II   |
| <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>                    | 0...2000 m without derating<br>2000 m...5000 m with derating |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Weight             | 2.002 kg |
| Package 1 Height             | 14 cm    |
| Package 1 width              | 11 cm    |
| Package 1 Length             | 19 cm    |
| Unit Type of Package 2       | S03      |
| Number of Units in Package 2 | 7        |
| Package 2 Weight             | 14.4 kg  |
| Package 2 Height             | 30 cm    |
| Package 2 width              | 30 cm    |
| Package 2 Length             | 40 cm    |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| 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   |
| California proposition 65  | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |