



### Main

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| Range  | ComPact  |
| Product name   | ComPact NSX  |
| Range of product                                     | ComPact NSX100...250   |
| Device short name                                    | NSX250B  |
| Product or component type                            | Circuit breaker  |
| Device application                                   | Distribution   |
| Number of poles                                      | 4P   |
| Protected poles description                          | 3t   |
| Neutral position                                     | Left   |
| [In] rated current                                   | 250 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   |
| Electrical durability                               | 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  |
| Mounting support                                    | Backplate  |
| Upside connection                                   | Front  |
| Downside connection                                 | Front  |
| Connection pitch                                    | 35 mm  |

|   |  |
|---|--|
| Protection type   | L : for overload protection (thermal)<br>I : for short-circuit protection (magnetic) |
| Trip unit rating  | 250 A at 40 °C   |
| 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         | Adjustable   |
| [Isd] Short-time protection pick-up adjustment range      | 5...10 x In  |
| Short-time protection delay adjustment type tsd           | Fixed  |
| Earth-leakage protection                                  | Without  |
| Neutral protection settings                               | No protection (3t)   |
| Number of slots for electrical auxiliaries                | 5 slot(s)  |
| Width (W)   | 140 mm   |
| Height (H)  | 161 mm   |
| Depth (D)   | 86 mm  |
| Net weight  | 2.8 kg   |

## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | EN/IEC 60947   |
| Product certifications                | CCC[RETURN]EAC[RETURN]Marine                                 |
| Overvoltage category                  | Class II   |
| Electrical shock protection class     | Class II   |
| Pollution degree                      | 3 conforming to IEC 60664-1                                  |
| IP degree of protection               | IP40 conforming to IEC 60529                                 |
| IK degree of protection               | IK07 conforming to IEC 62262                                 |
| Ambient air temperature for operation | -25...70 °C  |
| Ambient air temperature for storage   | -50...85 °C  |
| Relative humidity                     | 0...95 %   |
| Operating altitude                    | 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 Height             | 14.500 cm |
| Package 1 Width              | 17.560 cm |
| Package 1 Length             | 19.000 cm |
| Package 1 Weight             | 2.629 kg  |
| Unit Type of Package 2       | S03       |
| Number of Units in Package 2 | 4         |
| Package 2 Height             | 30.000 cm |
| Package 2 Width              | 30.000 cm |
| Package 2 Length             | 40.000 cm |
| Package 2 Weight             | 10.827 kg |

## Offer Sustainability

|                            |  |
|----------------------------|--|
| Sustainable offer status   | Green Premium product  |
| REACH Regulation           |  <a href="#">REACH Declaration</a>      |
| EU RoHS Directive          | Compliant with Exemptions  |
| Mercury free               | Yes  |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a> |
| RoHS exemption information |  Yes                                    |

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|--------------------------|---|
| Environmental Disclosure | <a href="#">Product Environmental Profile</a>   |
| Circularity Profile      | <a href="#">End Of Life Information</a>   |
| WEEE                     | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

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### Contractual warranty

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| Warranty | 18 months |
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