



### Main

|  |  |
|--|--|
| Range                                  | Compact  |
| Product name                           | Compact NSX  |
| Product or component type              | Circuit breaker  |
| Device short name                      | Compact NSX250F  |
| Device application                     | Distribution   |
| Poles description                      | 3P   |
| Protected poles description            | 3t   |
| Network type                           | AC   |
| Network frequency                      | 50/60 Hz   |
| [In] rated current                     | 200 A at 40 °C   |
| [Ui] rated insulation voltage          | 800 V AC 50/60 Hz  |
| [Uimp] rated impulse withstand voltage | 8 kV   |
| [Ue] rated operational voltage         | 690 V AC 50/60 Hz  |
| Breaking capacity code                 | F 36 kA 415 V AC   |
| Breaking capacity                      | 85 kA at 240 V AC 50/60 Hz conforming to UL 508<br>22 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>35 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>36 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>8 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2<br>85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>35 kA at 480 V AC 50/60 Hz conforming to UL 508<br>30 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>15 kA at 600 V AC 50/60 Hz conforming to UL 508 |
| [Ics] rated service breaking capacity  | 35 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>36 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>85 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>22 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>30 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>8 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2  |
| Suitability for isolation              | Yes conforming to EN 60947-2<br>Yes conforming to IEC 60947-2  |
| Utilisation category                   | Category A   |

|                                |                             |
|--------------------------------|-----------------------------|
| Trip unit name                 | TM-D                        |
| Trip unit technology           | Thermal-magnetic            |
| Trip unit protection functions | LI                          |
| Pollution degree               | 3 conforming to IEC 60664-1 |

## Complementary

|  |   |
|--|---|
| Control type   | Toggle  |
| Mounting mode  | Fixed   |
| Mounting support                                       | Backplate   |
| Upside connection                                      | Front   |
| Downside connection                                    | Front   |
| Auxiliary contact composition                          | Without   |
| Mechanical durability                                  | 20000 cycles  |
| Electrical durability                                  | 10000 cycles 440 V In conforming to IEC 60947-2<br>10000 cycles 690 V In/2 conforming to IEC 60947-2<br>20000 cycles 440 V In/2 conforming to IEC 60947-2<br>5000 cycles 690 V In conforming to IEC 60947-2 |
| Connection pitch                                       | 35 mm   |
| Local signalling                                       | Positive contact indication   |
| Protection type  | L : for overload protection (thermal)<br>I : for short-circuit protection (magnetic)  |
| Trip unit rating                                       | 200 A at 40 °C  |
| Long time pick-up adjustment type I <sub>r</sub>       | Adjustable  |
| Long time pick-up adjustment range                     | 0.7...1 x I <sub>n</sub>  |
| Long time delay adjustment type                        | Fixed   |
| [Tr] long-time delay adjustment range                  | 120...400 s at 1.5 x I <sub>n</sub><br>15 s at 6 x I <sub>r</sub>   |
| Short-time pick-up adjustment type I <sub>sd</sub>     | Adjustable  |
| [I <sub>sd</sub> ] short-time pick-up adjustment range | 5...10 x I <sub>n</sub>   |
| Short-time delay adjustment type                       | Fixed   |
| Height   | 161 mm  |
| Width  | 105 mm  |
| Depth  | 86 mm   |
| Product weight   | 2.4 kg  |
| Compatibility code                                     | NSX250  |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Overvoltage category                  | Class II                     |
| Electrical shock protection class     | Class II                     |
| Standards                             | EN/IEC 60947<br>UL 508       |
| Product certifications                | Marine<br>CCC<br>EAC         |
| IP degree of protection               | IP40 conforming to IEC 60529 |
| IK degree of protection               | IK07 conforming to IEC 62262 |
| Ambient air temperature for operation | -35...70 °C                  |
| Ambient air temperature for storage   | -55...85 °C                  |

## Offer Sustainability

|                          |   |
|--------------------------|---|
| Sustainable offer status | Green Premium product   |
| REACH Regulation         | <a href="#">REACH Declaration</a>   |
| EU RoHS Directive        | Pro-active compliance (Product out of EU RoHS legal scope)<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       |
| 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 |

### Contractual warranty

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