



## Main

|  |   |
|--|---|
| Range  | Compact   |
| Range of product                                     | NSX100...250  |
| Device short name                                    | Compact NSX250L   |
| Product or component type                            | Basic frame   |
| Device application                                   | Distribution  |
| Circuit breaker name                                 | Compact NSX250L   |
| Poles description                                    | 3P  |
| [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 | 130 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>150 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>150 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>20 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2<br>50 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>70 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 |
| Performance level                                    | L 150 kA 415 V AC   |
| Control type   | Toggle  |

## Complementary

|   |  |
|---|--|
| [Ui] rated insulation voltage                       | 800 V AC 50/60 Hz conforming to IEC 60947-2  |
| [Uimp] rated impulse withstand voltage              | 8 kV conforming to IEC 60947-2   |
| [Ics] rated service short-circuit breaking capacity | 130 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>150 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 |

150 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2  
 20 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2  
 50 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2  
 70 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2

|                       |   |
|-----------------------|---|
| Mechanical durability | 20000 cycles conforming to IEC 60947-2  |
| Electrical durability | 10000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2<br>10000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-2<br>20000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2<br>5000 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-2 |
| Mounting support      | Backplate   |
| Upside connection     | Front   |
| Downside connection   | Front   |
| Connection pitch      | 35 mm   |
| Protection type       | Without protection  |
| Width (W)             | 105 mm  |
| Height (H)            | 161 mm  |
| Depth (D)             | 86 mm   |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Standards                             | EN/IEC 60947-2<br>UL 508     |
| Product certifications                | CSA<br>UL                    |
| Pollution degree                      | 3 conforming to IEC 60947-1  |
| 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                  |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Weight             | 1.612 kg  |
| Package 1 Height             | 11.2 cm   |
| Package 1 width              | 13.8 cm   |
| Package 1 Length             | 19 cm     |
| Unit Type of Package 2       | S04       |
| Number of Units in Package 2 | 15        |
| Package 2 Weight             | 24.946 kg |
| Package 2 Height             | 30 cm     |
| Package 2 width              | 40 cm     |
| Package 2 Length             | 60 cm     |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| 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       |
| 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

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