



## Main

|                                                      |                                                                                                                                                                                                                      |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                                                | ComPact                                                                                                                                                                                                              |
| Product name                                         | ComPact NSX DC                                                                                                                                                                                                       |
| Range of product                                     | ComPact NSX400...630 DC                                                                                                                                                                                              |
| Device short name                                    | NSX250F DC                                                                                                                                                                                                           |
| Product or component type                            | Circuit breaker                                                                                                                                                                                                      |
| Device application                                   | Distribution                                                                                                                                                                                                         |
| Number of poles                                      | 4P                                                                                                                                                                                                                   |
| Protected poles description                          | 4t                                                                                                                                                                                                                   |
| Neutral position                                     | Left                                                                                                                                                                                                                 |
| [In] rated current                                   | 250 A at 40 °C                                                                                                                                                                                                       |
| [Ue] rated operational voltage                       | 750 V DC                                                                                                                                                                                                             |
| Network type                                         | DC                                                                                                                                                                                                                   |
| Suitability for isolation                            | Yes conforming to EN/IEC 60947-2                                                                                                                                                                                     |
| Utilisation category                                 | Category A                                                                                                                                                                                                           |
| [Icu] rated ultimate short-circuit breaking capacity | 36 kA Icu at 250 V DC 1P conforming to IEC 60947-2<br>36 kA Icu at 500 V DC 2P conforming to IEC 60947-2<br>36 kA Icu at 750 V DC 3P conforming to IEC 60947-2<br>36 kA Icu at 750 V DC 4P conforming to IEC 60947-2 |
| Performance level                                    | F 36 kA 750 V DC                                                                                                                                                                                                     |
| Trip unit name                                       | TM-DC                                                                                                                                                                                                                |
| Trip unit technology                                 | Thermal-magnetic                                                                                                                                                                                                     |
| Control type                                         | Toggle                                                                                                                                                                                                               |
| Circuit breaker mounting mode                        | Fixed                                                                                                                                                                                                                |

## Complementary

|                                                           |                                                                                      |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------|
| [Ui] rated insulation voltage                             | 750 V DC conforming to IEC 60947-2                                                   |
| [Uimp] rated impulse withstand voltage                    | 8 kV conforming to IEC 60947-2                                                       |
| [Ics] rated service short-circuit breaking capacity       | 36 kA at 750 V DC conforming to IEC 60947-2                                          |
| Mechanical durability                                     | 5000 cycles                                                                          |
| Electrical durability                                     | 1000 Cycles at 750 V In<br>2000 cycles at 750 V In/2                                 |
| Mounting support                                          | Backplate                                                                            |
| Upside connection                                         | Front                                                                                |
| Downside connection                                       | Front                                                                                |
| Connection pitch                                          | 45 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                                                                         |

|                                            |           |
|--------------------------------------------|-----------|
| Earth-leakage protection                   | Without   |
| Number of slots for electrical auxiliaries | 6 slot(s) |
| Width (W)                                  | 185 mm    |
| Height (H)                                 | 255 mm    |
| Depth (D)                                  | 110 mm    |
| Net weight                                 | 7.9 kg    |

## Environment

|                                       |                                                              |
|---------------------------------------|--------------------------------------------------------------|
| Standards                             | EN/IEC 60947                                                 |
| Product certifications                | CCC<br>EAC<br>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 Weight             | 7 kg    |
| Package 1 Height             | 14.7 cm |
| Package 1 width              | 20 cm   |
| Package 1 Length             | 29.1 cm |

## Offer Sustainability

|                            |                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                             |
| REACH Regulation           |  <a href="#">REACH Declaration</a>             |
| EU RoHS Directive          | Compliant  <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>        |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</a> |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins       |