



## Main

|                                |   |
|--------------------------------|---|
| Range                          | Compact   |
| Product name                   | Compact NSX   |
| Device short name              | Compact NSX400F   |
| Product or component type      | Circuit breaker   |
| Device application             | Distribution  |
| Poles description              | 4P  |
| Protected poles description    | 4t<br>3t + N/2<br>3t  |
| Neutral position               | Left  |
| [In] rated current             | 400 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 60947-2<br>Yes conforming to IEC 60947-2   |
| Utilisation category           | Category A  |
| Breaking capacity              | 40 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>85 KA at 240 V AC 50/60 Hz conforming to UL 508<br>25 KA Icu at 500 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>10 KA Icu at 660/690 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>20 KA at 600 V AC 50/60 Hz conforming to UL 508<br>20 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>30 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 |
| Breaking capacity code         | F 36 kA 415 V AC  |
| Trip unit name                 | Micrologic 2.3  |
| Trip unit technology           | Electronic  |
| Trip unit protection functions | LSol  |
| Control type                   | Toggle  |
| Mounting mode                  | Fixed   |

## Complementary

|   |  |
|---|--|
| [Ui] rated insulation voltage             | 800 V AC 50/60 Hz  |
| [Uimp] rated impulse withstand voltage    | 8 KV   |
| [Ics] rated service breaking capacity     | 40 KA at 220/240 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>10 KA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2<br>10 KA at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>25 KA at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>30 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2 |
| Mechanical durability                     | 15000 Cycles   |
| Electrical durability                     | 12000 Cycles 440 V In/2 conforming to IEC 60947-2<br>3000 Cycles 690 V In conforming to IEC 60947-2<br>6000 Cycles 440 V In conforming to IEC 60947-2<br>6000 Cycles 690 V In/2 conforming to IEC 60947-2  |
| Mounting support                          | Backplate  |
| Upside connection                         | Front  |
| Downside connection                       | Front  |
| Connection pitch                          | 45 Mm  |
| Protection type                           | L : for overload protection (long time)<br>So : for short time short-circuit protection with fixed delay<br>I : for instantaneous short-circuit protection   |
| Trip unit rating                          | 400 A at 40 °C   |
| Long time pick-up adjustment type Ir      | Adjustable 9 settings  |
| Long time pick-up adjustment range        | 0.9...1 x Io   |
| Long time delay adjustment type           | Fixed  |
| [tr] long-time delay adjustment range     | 16 S at 6 x Ir   |
| Thermal memory                            | 20 minutes before and after tripping   |
| Short-time pick-up adjustment type Isd    | Adjustable 9 settings  |
| [Isd] short-time pick-up adjustment range | 1.5...10 x Ir  |
| Short-time delay adjustment type          | Fixed  |
| Instantaneous pick-up adjustment type Ii  | Fixed  |
| Instantaneous pick-up adjustment range    | 4800 A   |
| Neutral protection setting                | 0.5 x Ir (3t + N/2)<br>1 x Ir (4t)<br>No protection (3t)   |
| Auxiliary contact composition             | Without  |
| Local signalling                          | LED 90 % Ir<br>LED ready<br>LED 105 % Ir   |
| Width                                     | 185 Mm   |
| Height                                    | 255 Mm   |
| Depth                                     | 110 Mm   |
| Net weight                                | 7.9 Kg   |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Standards                             | EN/IEC 60947<br>UL 508       |
| Product certifications                | CCC<br>Marine<br>EAC         |
| 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 | -35...70 °C                  |
| Ambient air temperature for storage   | -55...85 °C                  |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Weight             | 7.298 Kg  |
| Package 1 Height             | 15.5 Cm   |
| Package 1 width              | 21.5 Cm   |
| Package 1 Length             | 29.5 Cm   |
| Unit Type of Package 2       | S04       |
| Number of Units in Package 2 | 3         |
| Package 2 Weight             | 22.936 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 <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>   |
| 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 |
|----------|-----------|

Product Life Status : **Commercialised**