



## Main

|                                |  |
|--------------------------------|--|
| Range of product               | NSX400...630   |
| Product or component type      | Control unit   |
| Range compatibility            | Compact NSX400<br>Compact NSX630   |
| Device application             | Distribution   |
| Poles description              | 4P   |
| Protected poles description    | 3t + N/2<br>4t<br>3t + 1.6 N<br>3t   |
| Neutral position               | Left   |
| Network type                   | AC   |
| Network frequency              | 50/60 Hz   |
| Trip unit name                 | Micrologic 5.3 E   |
| Trip unit technology           | Electronic   |
| Trip unit protection functions | LSI  |
| Protection type                | L : for overload protection (long time)<br>S : for short time short-circuit protection<br>I : for instantaneous short-circuit protection |
| Trip unit rating               | 400 A at 40 °C   |

## Complementary

|   |   |
|---|---|
| Mounting mode                           | Fixed   |
| [Ue] rated operational voltage          | 690 V AC 50/60 Hz   |
| Neutral protection setting              | 0.5 x Ir (3t + N/2)<br>1 x Ir (4t)<br>1.6 x Ir (3t + OSN)<br>No protection (3t) |
| Long time pick-up adjustment type Ir    | Adjustable 9 settings   |
| [Ir] long time pick-up adjustment range | 160...400 A   |
| Long time delay adjustment type         | Adjustable  |
| [Tr] long-time delay adjustment range   | 15...400 s at 1.5 x Ir<br>0.35...11 s at 7.2 x Ir                               |

|  |  |
|--|--|
|  | 0.5...16 s at 6 x I <sub>r</sub>   |
| Thermal memory   | 20 minutes before and after tripping   |
| Short-time pick-up adjustment type I <sub>sd</sub>       | Adjustable 9 settings  |
| [I <sub>sd</sub> ] short-time pick-up adjustment range   | 1.5...10 x I <sub>r</sub>  |
| Short-time delay adjustment type                         | Adjustable   |
| [T <sub>sd</sub> ] short-time delay adjustment range     | 0...0.4 s I <sup>2</sup> t=off<br>0.1...0.4 s I <sup>2</sup> t=on  |
| Instantaneous pick-up adjustment type I <sub>i</sub>     | Adjustable   |
| [I <sub>i</sub> ] instantaneous pick-up adjustment range | 1.5...12 x I <sub>n</sub>  |
| Zone selective interlocking ZSI                          | With   |
| Communication of data                                    | Instantaneous and demand values<br>Maintenance indicators<br>Maximeters/minimeters<br>Energy metering<br>Demand current and power<br>Protection and alarm settings<br>Time-stamped histories and event tables<br>Power quality |
| Display type   | LCD display  |
| Type of measurement                                      | Energy meter   |
| Electrical data recording                                | Maintenance indicators   |

## Environment

|                                       |                          |
|---------------------------------------|--------------------------|
| Standards                             | EN/IEC 60947-2<br>UL 508 |
| Product certifications                | Marine<br>EAC<br>CCC     |
| Ambient air temperature for operation | -25...70 °C              |
| Ambient air temperature for storage   | -40...85 °C              |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| 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 |

## Contractual warranty

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