



## Main

|                                |                                                                                                                                                                             |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product               | NSX400...630                                                                                                                                                                |
| Product or component type      | Control unit                                                                                                                                                                |
| Range compatibility            | Compact NSX400<br>Compact NSX630                                                                                                                                            |
| Device application             | Distribution<br>Generator                                                                                                                                                   |
| Poles description              | 3P                                                                                                                                                                          |
| Protected poles description    | 3t                                                                                                                                                                          |
| Network type                   | AC                                                                                                                                                                          |
| Network frequency              | 50/60 Hz                                                                                                                                                                    |
| Trip unit name                 | Micrologic 6.3 E                                                                                                                                                            |
| Trip unit technology           | Electronic                                                                                                                                                                  |
| Trip unit protection functions | LSIG                                                                                                                                                                        |
| Protection type                | L : for overload protection (long time)<br>S : for short time short-circuit protection<br>I : for instantaneous short-circuit protection<br>G : for ground fault protection |
| Trip unit rating               | 400 A at 40 °C                                                                                                                                                              |

## Complementary

|                                           |                                                                           |
|-------------------------------------------|---------------------------------------------------------------------------|
| Mounting mode                             | Fixed                                                                     |
| [Ue] rated operational voltage            | 690 V AC 50/60 Hz                                                         |
| Long time pick-up adjustment type Ir      | Adjustable                                                                |
| [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<br>0.5...16 s at 6 x Ir |
| Thermal memory                            | 20 minutes before and after tripping                                      |
| Short-time pick-up adjustment type Isd    | Adjustable                                                                |
| [Isd] short-time pick-up adjustment range | 1.5...10 x Ir                                                             |

|                                             |                                                                                                                                                                                                                                |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Short-time delay adjustment type            | Adjustable                                                                                                                                                                                                                     |
| [Tsd] 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 li    | Adjustable                                                                                                                                                                                                                     |
| [li] instantaneous pick-up adjustment range | 1.5...11 x I <sub>n</sub> Compact NSX630<br>1.5...12 x I <sub>n</sub> Compact NSX400                                                                                                                                           |
| Ground-fault pick-up adjustment type        | Adjustable                                                                                                                                                                                                                     |
| [lg] ground-fault pick-up adjustment range  | 0.2...1 x I <sub>n</sub>                                                                                                                                                                                                       |
| Ground-fault time delay adjustment type -tg | Adjustable                                                                                                                                                                                                                     |
| Zone selective interlocking ZSI             | With                                                                                                                                                                                                                           |
| Communication of data                       | Demand current and power<br>Maintenance indicators<br>Instantaneous and demand values<br>Power quality<br>Energy metering<br>Maximeters/minimeters<br>Time-stamped histories and event tables<br>Protection and alarm settings |
| Display type                                | LCD display                                                                                                                                                                                                                    |
| Type of measurement                         | Energy meter                                                                                                                                                                                                                   |
| Electrical data recording                   | Maintenance indicators                                                                                                                                                                                                         |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Standards                             | UL 508<br>EN/IEC 60947-2     |
| Product certifications                | CCC<br>Marine<br>EAC         |
| IP degree of protection               | IP40 conforming to IEC 60529 |
| Pollution degree                      | 3 conforming to IEC 60947-1  |
| 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 |
|----------|-----------|