



## Main

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|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                                  | Compact                                                                                                                                                                                                                                                                                                                                                                             |
| Product name                           | Compact NSX                                                                                                                                                                                                                                                                                                                                                                         |
| Product or component type              | Circuit breaker                                                                                                                                                                                                                                                                                                                                                                     |
| Device short name                      | Compact NSX400R                                                                                                                                                                                                                                                                                                                                                                     |
| Device application                     | Distribution                                                                                                                                                                                                                                                                                                                                                                        |
| Poles description                      | 4P                                                                                                                                                                                                                                                                                                                                                                                  |
| Protected poles description            | 3t<br>3t + OSN<br>3t + N/2<br>4t                                                                                                                                                                                                                                                                                                                                                    |
| Neutral position                       | Left                                                                                                                                                                                                                                                                                                                                                                                |
| Network type                           | AC                                                                                                                                                                                                                                                                                                                                                                                  |
| Network frequency                      | 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                            |
| [In] rated current                     | 400 A at 40 °C                                                                                                                                                                                                                                                                                                                                                                      |
| [Ui] rated insulation voltage          | 800 V AC 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                   |
| [Uimp] rated impulse withstand voltage | 8 kV                                                                                                                                                                                                                                                                                                                                                                                |
| [Ue] rated operational voltage         | 690 V AC 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                   |
| Breaking capacity code                 | R 200 kA 415 V AC                                                                                                                                                                                                                                                                                                                                                                   |
| Breaking capacity                      | 200 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>200 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>200 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>80 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>65 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>45 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] rated service breaking capacity  | 200 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>200 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>200 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>80 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>65 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>45 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2                         |
| Suitability for isolation              | Yes conforming to EN 60947-2<br>Yes conforming to IEC 60947-2                                                                                                                                                                                                                                                                                                                       |

|                                |                             |
|--------------------------------|-----------------------------|
| Utilisation category           | Category A                  |
| Trip unit name                 | Micrologic 6.3 E            |
| Trip unit technology           | Electronic                  |
| Trip unit protection functions | LSIG                        |
| Pollution degree               | 3 conforming to IEC 60664-1 |

## Complementary

|                                               |                                                                                                                                                                                                           |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Control type                                  | Toggle                                                                                                                                                                                                    |
| Mounting mode                                 | Fixed                                                                                                                                                                                                     |
| Mounting support                              | Backplate                                                                                                                                                                                                 |
| Upside connection                             | Front                                                                                                                                                                                                     |
| Downside connection                           | Front                                                                                                                                                                                                     |
| Auxiliary contact composition                 | Without                                                                                                                                                                                                   |
| 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 |
| Connection pitch                              | 45 mm                                                                                                                                                                                                     |
| Local signalling                              | LED ready<br>LED 105 % Ir<br>LED 90 % Ir                                                                                                                                                                  |
| 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)                                                                                                                           |
| 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                                                                                                                                                                                            |
| Long time pick-up adjustment type Ir          | Adjustable 9 settings                                                                                                                                                                                     |
| 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...12 x In                                                                                                                                                                                             |
| Short-time delay adjustment type              | Adjustable 5 settings                                                                                                                                                                                     |
| [Tsd] short-time delay adjustment range       | 0...0.4 s                                                                                                                                                                                                 |
| Instantaneous pick-up adjustment type Ii      | Adjustable                                                                                                                                                                                                |
| Instantaneous pick-up adjustment range        | 1.5...12 x In                                                                                                                                                                                             |
| Ground-fault pick-up adjustment type          | Adjustable 9 settings                                                                                                                                                                                     |
| Ground-fault time delay adjustment type -tg   | Adjustable 5 settings                                                                                                                                                                                     |
| [Tg] ground-fault time delay adjustment range | 0...0.4 s                                                                                                                                                                                                 |
| [Ig] ground-fault pick-up adjustment range    | 80...400 A                                                                                                                                                                                                |
| Zone selective interlocking ZSI               | With                                                                                                                                                                                                      |
| Communication of data                         | Protection and alarm settings<br>Instantaneous and demand values<br>Energy metering                                                                                                                       |

|                           |                                                                                                                                         |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
|                           | Demand current and power<br>Maximeters/minimeters<br>Power quality<br>Time-stamped histories and event tables<br>Maintenance indicators |
| Display type              | LCD display                                                                                                                             |
| Type of measurement       | Energy meter                                                                                                                            |
| Electrical data recording | Maintenance indicators                                                                                                                  |
| Height                    | 255 mm                                                                                                                                  |
| Width                     | 185 mm                                                                                                                                  |
| Depth                     | 110 mm                                                                                                                                  |
| Product weight            | 7.9 kg                                                                                                                                  |
| Compatibility code        | NSX400                                                                                                                                  |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Overvoltage category                  | Class II                     |
| Electrical shock protection class     | Class II                     |
| Standards                             | EN/IEC 60947                 |
| Product certifications                | Marine<br>EAC<br>CCC         |
| 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                  |

## 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>                                                                               |

## Contractual warranty

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