



## Main

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|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                                       | Compact                                                                                                                                                                                                                                  |
| Product name                                | Compact NSX                                                                                                                                                                                                                              |
| Product or component type                   | Switch disconnecter                                                                                                                                                                                                                      |
| Device short name                           | Compact NSX250NA                                                                                                                                                                                                                         |
| Poles description                           | 3P                                                                                                                                                                                                                                       |
| Network type                                | AC<br>DC                                                                                                                                                                                                                                 |
| [Ue] rated operational voltage              | 690 V AC 50/60 Hz conforming to IEC 60947-3<br>750 V DC 3 poles in series conforming to IEC 60947-3<br>500 V DC 2 poles in series conforming to IEC 60947-3<br>250 V DC 1 pole conforming to IEC 60947-3                                 |
| [Ie] rated operational current              | AC-22A: 250 A AC 50/60 Hz 220...690 V<br>AC-23A: 250 A AC 50/60 Hz 220...690 V<br>DC-22A: 250 A DC 250 V 1 pole<br>DC-22A: 250 A DC 500 V 2 poles in series<br>DC-23A: 250 A DC 250 V 1 pole<br>DC-23A: 250 A DC 500 V 2 poles in series |
| [Ui] rated insulation voltage               | 800 V AC 50/60 Hz conforming to IEC 60947-3                                                                                                                                                                                              |
| [Uimp] rated impulse withstand voltage      | 8 kV conforming to IEC 60947-3                                                                                                                                                                                                           |
| [Ith] conventional free air thermal current | 250 A at 60 °C                                                                                                                                                                                                                           |
| [Icm] rated short-circuit making capacity   | 330 kA with upstream protection circuit breaker<br>4.9 kA switch-disconnector alone                                                                                                                                                      |
| Breaking capacity code                      | NA                                                                                                                                                                                                                                       |
| Suitability for isolation                   | Yes conforming to EN 60947-3<br>Yes conforming to IEC 60947-3                                                                                                                                                                            |
| Contact position indicator                  | Yes                                                                                                                                                                                                                                      |
| Visible break                               | No                                                                                                                                                                                                                                       |
| Pollution degree                            | 3 conforming to IEC 60664-1                                                                                                                                                                                                              |

## Complementary

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Control type                                          | Toggle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Mounting mode                                         | Fixed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Mounting support                                      | Backplate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Upside connection                                     | Front                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Downside connection                                   | Front                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| [I <sub>cw</sub> ] rated short-time withstand current | 1.35 kA during 20 s conforming to IEC 60947-3<br>3.5 kA during 1 s conforming to IEC 60947-3<br>3.5 kA during 3 s conforming to IEC 60947-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Mechanical durability                                 | 20000 cycles conforming to IEC 60947-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Electrical durability                                 | AC-22A: 10000 cycles 250 V DC In/2 (1 pole) conforming to IEC 60947-3<br>AC-22A: 5000 cycles 500 V DC In (2 poles in series) conforming to IEC 60947-3<br>AC-23A: 10000 cycles 250 V DC In/2 (1 pole) conforming to IEC 60947-3<br>AC-23A: 5000 cycles 500 V DC In (2 poles in series) conforming to IEC 60947-3<br>AC-22A: 15000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-3<br>AC-22A: 3000 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-3<br>AC-22A: 6000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-3<br>AC-22A: 7500 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-3<br>AC-23A: 15000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-3<br>AC-23A: 3000 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-3<br>AC-23A: 6000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-3<br>AC-23A: 7500 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-3 |
| Connection pitch                                      | 35 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Height                                                | 161 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Width                                                 | 105 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Depth                                                 | 86 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Product weight                                        | 1.8 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Standards                             | EN/IEC 60947<br>UL 508       |
| Product certifications                | EAC<br>CCC                   |
| IP degree of protection               | IP40 conforming to IEC 60529 |
| IK degree of protection               | IK07 conforming to IEC 62262 |
| Electrical shock protection class     | Class II                     |
| Ambient air temperature for operation | -35...70 °C                  |
| Ambient air temperature for storage   | -55...85 °C                  |

## Offer Sustainability

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

## Contractual warranty

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| Warranty | 18 months |
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