

# LV432408

circuit breaker basic frame, Compact NSX400N,  
50 kA at 415 VAC 50/60 Hz, 400 A, without trip  
unit, 4 poles



## Main

|  |   |
|--|---|
| Range                                  | Compact   |
| Range of product                       | NSX400...630  |
| Product or component type              | Basic frame   |
| Device short name                      | Compact NSX400N   |
| Device application                     | Distribution  |
| Circuit breaker name                   | Compact NSX400N   |
| Poles description                      | 4P  |
| Neutral position                       | Left  |
| Network type                           | AC  |
| Network frequency                      | 50/60 Hz  |
| [In] rated current                     | 400 A at 65 °C  |
| [Ui] rated insulation voltage          | 800 V AC 50/60 Hz conforming to IEC 60947-2   |
| [Uimp] rated impulse withstand voltage | 8 kV conforming to IEC 60947-2  |
| [Ue] rated operational voltage         | 690 V AC 50/60 Hz conforming to IEC 60947-2   |
| Breaking capacity code                 | N   |
| Breaking capacity                      | 85 kA at 240 V AC 50/60 Hz conforming to UL 508<br>22 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>85 kA Icu at 220/240 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>50 kA at 480 V AC 50/60 Hz conforming to UL 508<br>50 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>30 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>20 kA at 600 V AC 50/60 Hz conforming to UL 508<br>42 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] rated service breaking capacity  | 11 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>85 kA at 220/240 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>50 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>30 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2  |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

42 kA at 440 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  |
| Pollution degree          | 3 conforming to IEC 60947-1                                   |

## Complementary

|                       |   |
|-----------------------|---|
| Control type          | Toggle  |
| Mounting mode         | Fixed   |
| Mounting support      | Backplate   |
| Upside connection     | Front   |
| Downside connection   | Front   |
| Protection type       | Without protection  |
| Mechanical durability | 15000 cycles conforming to IEC 60947-2  |
| Electrical durability | 12000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2<br>3000 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-2<br>6000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2<br>6000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-2 |
| Connection pitch      | 45 mm   |
| Height                | 255 mm  |
| Width                 | 185 mm  |
| Depth                 | 110 mm  |

## Environment

|                                       |                                     |
|---------------------------------------|-------------------------------------|
| Standards                             | IEC 60947-2<br>EN 60947-2<br>UL 508 |
| Product certifications                | UL<br>CSA                           |
| 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             | 5.8 kg     |
| Package 1 Height             | 15.2 cm    |
| Package 1 width              | 20.3 cm    |
| Package 1 Length             | 29.2 cm    |
| Unit Type of Package 2       | P12        |
| Number of Units in Package 2 | 28         |
| Package 2 Weight             | 175.072 kg |
| Package 2 Height             | 80 cm      |
| Package 2 width              | 80 cm      |
| Package 2 Length             | 120 cm     |

## 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

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