

# Product data sheet

Specifications



## Circuit breaker basic frame, ComPact NSX400F, 36kA at 415VAC 50/60 Hz, 400A, without trip unit, 4 poles

LV432415

⚠ To be discontinued

⚠ To be discontinued on: 31 March 2023

**Important message :** This product has been switched to new ComPact range and is no longer commercialized. It will continue to be available in H1 2023 only limited to specific projects.

### Main

|  |   |
|--|---|
| Range  | ComPact   |
| Range of product                                     | ComPact NSX400...630  |
| Device short name                                    | NSX400F   |
| Product or component type                            | Basic frame   |
| Device application                                   | Distribution  |
| Circuit breaker name                                 | Compact NSX400F   |
| Number of poles                                      | 4P  |
| Neutral position                                     | Left  |
| [In] rated current                                   | 400 A at 40 °C  |
| [Ue] rated operational voltage                       | 690 V AC 50/60 Hz   |
| Network type   | AC  |
| Network frequency                                    | 50/60 Hz  |
| Suitability for isolation                            | Yes conforming to EN/IEC 60947-2  |
| Utilisation category                                 | Category A  |
| [Icu] rated ultimate short-circuit breaking capacity | 85 kA at 240 V AC 50/60 Hz conforming to UL 508<br>25 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>36 kA Icu at 380/415 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>40 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>35 kA at 480 V AC 50/60 Hz conforming to UL 508<br>20 kA at 600 V AC 50/60 Hz conforming to UL 508<br>20 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>30 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 |
| Performance level                                    | F 36 kA 415 V AC  |
| Control type   | Toggle  |
| Mounting mode  | Fixed   |

### Complementary

|  |   |
|--|---|
| [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              |

|  |  |
|--|--|
| <b>[Ics] rated service short-circuit breaking capacity</b> | 36 kA at 380/415 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>40 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>10 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>25 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>30 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 |
| <b>Mechanical durability</b>                               | 15000 cycles conforming to IEC 60947-2   |
| <b>Electrical durability</b>                               | 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  |
| <b>Mounting support</b>                                    | Backplate  |
| <b>Upside connection</b>                                   | Front  |
| <b>Downside connection</b>                                 | Front  |
| <b>Connection pitch</b>                                    | 45 mm  |
| <b>Protection type</b>                                     | Without protection   |
| <b>Width (W)</b>   | 185 mm   |
| <b>Height (H)</b>  | 255 mm   |
| <b>Depth (D)</b>   | 110 mm   |

## Environment

|  |                              |
|--|------------------------------|
| <b>Standards</b>                             | EN/IEC 60947-2<br>UL 508     |
| <b>Product certifications</b>                | CSA<br>UL                    |
| <b>Pollution degree</b>                      | 3 conforming to IEC 60664-1  |
| <b>IP degree of protection</b>               | IP40 conforming to IEC 60529 |
| <b>IK degree of protection</b>               | IK07 conforming to IEC 62262 |
| <b>Ambient air temperature for operation</b> | -25...70 °C                  |
| <b>Ambient air temperature for storage</b>   | -50...85 °C                  |

## Packing Units

|                                     |          |
|-------------------------------------|----------|
| <b>Unit Type of Package 1</b>       | PCE      |
| <b>Number of Units in Package 1</b> | 1        |
| <b>Package 1 Height</b>             | 14.8 cm  |
| <b>Package 1 Width</b>              | 20.3 cm  |
| <b>Package 1 Length</b>             | 29.5 cm  |
| <b>Package 1 Weight</b>             | 5.794 kg |
| <b>Unit Type of Package 2</b>       | P12      |
| <b>Number of Units in Package 2</b> | 28       |
| <b>Package 2 Height</b>             | 43.0 cm  |
| <b>Package 2 Width</b>              | 80.0 cm  |
| <b>Package 2 Length</b>             | 120.0 cm |
| <b>Package 2 Weight</b>             | 175.0 kg |

## Offer Sustainability

|                                 |                                   |
|---------------------------------|-----------------------------------|
| <b>Sustainable offer status</b> | Green Premium product             |
| <b>REACH Regulation</b>         | <a href="#">REACH Declaration</a> |

|                                   |  |
|-----------------------------------|--|
| <b>EU RoHS Directive</b>          | Compliant<br><a href="#">EU RoHS Declaration</a>   |
| <b>Mercury free</b>               | Yes  |
| <b>China RoHS Regulation</b>      | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information  |
| <b>RoHS exemption information</b> | Yes  |
| <b>Environmental Disclosure</b>   | <a href="#">Product Environmental Profile</a>  |
| <b>Circularity Profile</b>        | <a href="#">End of Life Information</a>  |
| <b>WEEE</b>                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins  |
| <b>California proposition 65</b>  | WARNING: This product can expose you to chemicals including: DINP, which is known to the State of California to cause cancer, and DIDP, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

## Contractual warranty

|                 |           |
|-----------------|-----------|
| <b>Warranty</b> | 18 months |
|-----------------|-----------|

## Recommended replacement(s)

LV432415 is replaced by:

1x



Circuit breaker basic frame, ComPact NSX400F, 36kA/415VAC, 4 poles, 400A frame rating, without trip unit  
C40F4