

# LV432413

circuit breaker Compact NSX400F - 400 A - 3 poles - without trip unit



## Main

|   |   |
|---|---|
| Range of product                                    | NSX400...630  |
| Device short name                                   | Compact NSX400F   |
| Circuit breaker name                                | Compact NSX400F   |
| Poles description                                   | 3P  |
| Network type  | AC  |
| Network frequency                                   | 50/60 Hz  |
| [In] rated current                                  | 400 A ( 40 °C )   |
| [U <sub>i</sub> ] rated insulation voltage          | 800 V AC 50/60 Hz conforming to IEC 60947-2   |
| [U <sub>imp</sub> ] rated impulse withstand voltage | 8 kV conforming to IEC 60947-2  |
| [U <sub>e</sub> ] rated operational voltage         | 690 V AC 50/60 Hz conforming to IEC 60947-2   |
| Breaking capacity code                              | F   |
| Breaking capacity                                   | 20 kA at 600 V AC 50/60 Hz conforming to UL 508<br>30 kA at 480 V AC 50/60 Hz conforming to NEMA AB1<br>35 kA at 480 V AC 50/60 Hz conforming to UL 508<br>40 kA at 240 V AC 50/60 Hz conforming to NEMA AB1<br>85 kA at 240 V AC 50/60 Hz conforming to UL 508<br>Icu 10 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2<br>Icu 20 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>Icu 25 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>Icu 30 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>Icu 36 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>Icu 40 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 |
| [I <sub>cs</sub> ] rated service breaking capacity  | Ics 10 kA 525 V AC 50/60 Hz conforming to IEC 60947-2<br>Ics 10 kA 660/690 V AC 50/60 Hz conforming to IEC 60947-2<br>Ics 25 kA 500 V AC 50/60 Hz conforming to IEC 60947-2<br>Ics 30 kA 440 V AC 50/60 Hz conforming to IEC 60947-2<br>Ics 36 kA 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>Ics 40 kA 220/240 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                                  |
| Mechanical durability | 15000 cycles conforming to IEC 60947-2 |

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|                       |   |
|-----------------------|---|
| 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   |

## Environment

|                                       |   |
|---------------------------------------|---|
| Standards                             | EN 60947-2<br>IEC 60947-2<br>NEMA AB1<br>UL 508 |
| Product certifications                | CSA<br>UL                                       |
| 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   |
| RoHS                             | Compliant - since 0819 - Schneider Electric declaration of conformity |
| Product environmental profile    | Available   |
| Product end of life instructions | Need no specific recycling operations                                 |