



### Main

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|--|--|
| Range  | ComPact  |
| Range of product                                     | ComPact NS630b...1600  |
| Device short name                                    | Compact NS630bN  |
| Product or component type                            | Basic frame  |
| Device application                                   | Distribution   |
| Number of poles                                      | 4P   |
| Neutral position                                     | Left   |
| [In] rated current                                   | 630 A at 50 °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 B   |
| [Icu] rated ultimate short-circuit breaking capacity | 30 KA Icu at 660/690 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>50 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>50 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>40 KA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 |
| Performance level                                    | N 50 kA 415 V AC   |
| Control type   | Toggle<br>Rotary handle  |
| Mounting mode  | Drawout  |

### 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  |
| [Ics] rated service short-circuit breaking capacity | 30 KA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation)<br>40 KA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation)<br>50 KA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation)<br>50 KA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation)<br>50 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation) |
| [Icw] rated short-time withstand current            | 19.2 kA 1 s conforming to IEC 60947-2   |
| Integral instant protection                         | 40 kA   |
| Mechanical durability                               | 10000 cycles conforming to IEC 60947-2  |
| Electrical durability                               | 2000 Cycles 690 V AC 50/60 Hz In conforming to IEC 60947-2<br>4000 Cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-2<br>5000 Cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2<br>6000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2  |
| Power losses  | 19 W  |
| Mounting support                                    | Backplate   |
| Connection pitch                                    | 70 mm   |
| Protection type                                     | Without protection  |
| Height (H)  | 327 mm  |
| Width (W)   | 280 mm  |
| Depth (D)   | 147 mm  |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Standards                             | IEC 60947-2                  |
| Product certifications                | ASEFA<br>LCIE<br>ASTA        |
| Pollution degree                      | 3 conforming to IEC 60947    |
| IP degree of protection               | IP40 conforming to IEC 60529 |
| IK degree of protection               | IK07 conforming to EN 50102  |
| Ambient air temperature for operation | -25...70 °C                  |
| Ambient air temperature for storage   | -50...85 °C                  |

## Packing Units

|                  |           |
|------------------|-----------|
| Package 1 Weight | 17.017 kg |
| Package 1 Height | 3.700 dm  |
| Package 1 width  | 3.800 dm  |
| Package 1 Length | 3.000 dm  |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| REACH Regulation           |  <a href="#">REACH Declaration</a>               |
| EU RoHS Directive          | Compliant  <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>        |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</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 |
|----------|-----------|