# **Product data sheet**





Circuit breaker frame, ComPact NS630bN, 50kA/415VAC, 630A, withdrawable, manually operated, without trip unit, 4P

33324

! Discontinued on: Mar 31, 2024

! To be discontinued

### Main

| Range  | ComPact  |
|--|--|
| Range Of Product                                     | ComPact NS630b1600   |
| 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<br>Voltage              | 8 kV conforming to IEC 60947-2  |
| [lcs] Rated Service Short-Circuit<br>Breaking Capacity | 30 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation) 40 kA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation) 50 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation) 50 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation) 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  |

List Price displayed is VAT EXCLUSIVE.



| 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 | -2570 °C                     |
| Ambient Air Temperature For Storage   | -5085 °C                     |

## **Packing Units**

| Unit Type Of Package 1       | PCE      |
|------------------------------|----------|
| Number Of Units In Package 1 | 1        |
| Package 1 Height             | 37.0 cm  |
| Package 1 Width              | 38.0 cm  |
| Package 1 Length             | 30.0 cm  |
| Package 1 Weight             | 18.17 kg |

## **Contractual warranty**

Warranty 18 months



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Transparency RoHS/REACh

### Well-being performance



Mercury Free



Rohs Exemption Information

Yes

#### **Certifications & Standards**

| Reach Regulation         | REACh Declaration   |
|--------------------------|---|
| Eu Rohs Directive        | Compliant with Exemptions   |
| China Rohs Regulation    | China RoHS declaration  Product out of China RoHS scope. Substance declaration for your information                         |
| Environmental Disclosure | Product Environmental Profile   |
| Weee                     | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Circularity Profile      | End of Life Information   |