# Product datasheet

Specifications

## circuit breaker Compact NS630bN - 630 A - 3 poles - fixed - without trip unit

33270

## Main

| | |
|---|---|
| **Range** | ComPacT |
| **Range Of Product** | ComPacT NS630b...1600 new generation |
| **Device Short Name** | Compact NS630bN |
| **Product Or Component Type** | Basic frame |
| **Device Application** | Distribution |
| **Number Of Poles** | 3P |
| **[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>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>50 kA Icu at 220/240 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** | Electrically operated |
| **Mounting Mode** | Fixed |

## Complementary

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|---|---|
| **[Ui] Rated Insulation Voltage** | 1000 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 500/525 V AC 50/60 Hz conforming to IEC 60947-2 (electrical operation)<br>22 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 (electrical operation)<br>37 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 (electrical operation)<br>37 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 (electrical operation)<br>37 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 (electrical 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 |

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

| | |
|---|---|
| **Power Losses** | 10 W |
| **Mounting Support** | Backplate |
| **Connection Pitch** | 70 mm |
| **Protection Type** | Without protection |
| **Height (H)** | 327 mm |
| **Width (W)** | 210 mm |
| **Depth (D)** | 147 mm |

## Environment

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|---|---|
| **Standards** | IEC 60947-2 |
| **Product Certifications** | ASEFA<br>ASTA<br>LCIE |
| **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

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|---|---|
| **Unit Type Of Package 1** | PCE |
| **Number Of Units In Package 1** | 1 |
| **Package 1 Height** | 25.0 cm |
| **Package 1 Width** | 40.0 cm |
| **Package 1 Length** | 40.0 cm |
| **Package 1 Weight** | 20.706 kg |

## Contractual warranty

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|---|---|
| **Warranty** | 12 months |

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-$CO_2$ products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

## Well-being performance

| | |
|---|---|
| Mercury Free | |
| Rohs Exemption Information | Yes |
| Pvc Free | |

## Certifications & Standards

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|---|---|
| **Reach Regulation** | REACh Declaration |
| **Eu Rohs Directive** | Compliant with Exemptions |
| **China Rohs Regulation** | China RoHS declaration<br>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 |