

# Product data sheet

Specifications



Circuit breaker frame, ComPact NS1600bN, 50kA/415VAC, 1600A, fixed, manually operated, without trip unit, 3P

34000

! To be discontinued

! To be discontinued on: Apr 30, 2024

## Main

|  |  |
|--|--|
| Range  | ComPact  |
| Range Of Product                                     | ComPact NS1600b...3200   |
| Device Short Name                                    | Compact NS1600bN   |
| Product Or Component Type                            | Basic frame  |
| Device Application                                   | Distribution   |
| Number Of Poles                                      | 3P   |
| [In] Rated Current                                   | 1600 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 A   |
| [Icu] Rated Ultimate Short-Circuit Breaking Capacity | 85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>65 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>70 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>65 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2<br>65 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   |
| 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  |
| [Ics] Rated Service Short-Circuit Breaking Capacity | 65 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation)<br>65 kA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation)<br>65 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation)<br>52 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation)<br>65 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 (manual operation) |
| [Icw] Rated Short-Time Withstand Current            | 32 kA 3 s conforming to IEC 60947-2   |
| Integral Instant Protection                         | 130 kA  |
| Mechanical Durability                               | 5000 cycles 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

|                       |  |
|-----------------------|--|
| Electrical Durability | 1000 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-2<br>2000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2<br>2000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-2<br>3000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2 |
| Power Losses          | 84 W   |
| Mounting Support      | Backplate  |
| Upside Connection     | Front  |
| Downside Connection   | Front  |
| Connection Pitch      | 115 mm   |
| Protection Type       | Without protection   |
| Height (H)            | 350 mm   |
| Width (W)             | 420 mm   |
| Depth (D)             | 160 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

|                              |           |
|------------------------------|-----------|
| Unit Type Of Package 1       | PCE       |
| Number Of Units In Package 1 | 1         |
| Package 1 Height             | 43.0 cm   |
| Package 1 Width              | 60.0 cm   |
| Package 1 Length             | 80.0 cm   |
| Package 1 Weight             | 41.993 kg |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 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<sub>2</sub> 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 >](#)

## Well-being performance

|  |  |
|--|--|
|  Mercury Free               |  |
|  Rohs Exemption Information | <a href="#">Yes</a>  |
|  Pvc Free                   |  |
| Reach Regulation   | <a href="#">REACH Declaration</a>  |
| Eu Rohs Directive  | Compliant with Exemptions  |
| China Rohs Regulation  | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information  |
| Weee   | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins  |
| California Proposition 65  | 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> |