

# Product datasheet

Specifications



circuit breaker basic frame.  
ComPact NS 1600H. 70 kA at 415 VAC. 1600 A. withdrawable.  
electrically operated. without trip unit. 3 P

33411

Price: 93,619.39 ZAR

## Main

|                                                      |                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                                                | ComPacT                                                                                                                                                                                                                                                                                                                  |
| Range Of Product                                     | ComPacT NS630b...1600 new generation                                                                                                                                                                                                                                                                                     |
| Device Short Name                                    | Compact NS1600H                                                                                                                                                                                                                                                                                                          |
| 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 B                                                                                                                                                                                                                                                                                                               |
| [Icu] Rated Ultimate Short-Circuit Breaking Capacity | 42 kA Icu at 660/690 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>70 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>50 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 |
| Performance Level                                    | H 70 kA 415 V AC                                                                                                                                                                                                                                                                                                         |
| Control Type                                         | Electrically operated<br>Motor mechanism                                                                                                                                                                                                                                                                                 |
| Mounting Mode                                        | Drawout                                                                                                                                                                                                                                                                                                                  |

## Complementary

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [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                                                                                                                                                                                                                                                                                                                                                                                  |

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

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 | 5000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2<br>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 |
| Power Losses          | 154 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

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

|                              |           |
|------------------------------|-----------|
| 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             | 23.394 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 >](#)



Transparency   RoHS/REACH

## Well-being performance

 Mercury Free

 RoHS Exemption Information   [Yes](#)

 Pvc Free

## 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](#)