# Product datasheet

Specifications

Green Premium™

## Circuit breaker, ComPact NS1000H, 70kA/415VAC, Micrologic 2.0 trip unit, 1000A, fixed, 3 poles 3d

33473

To be discontinued

Discontinued on: 31 Mar 2024

## Main

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|---|---|
| **Range** | ComPact |
| **Product Name** | ComPact NS |
| **Range Of Product** | ComPact NS630b...1600 |
| **Device Short Name** | Compact NS1000H |
| **Product Or Component Type** | Circuit breaker |
| **Device Application** | Distribution |
| **Number Of Poles** | 3P |
| **Protected Poles Description** | 3D |
| **(In) Rated Current Up To 65 °C** | 1000 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>85 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 |
| **Trip Unit Name** | MicroLogic 2.0 |
| **Trip Unit Technology** | Electronic |
| **Trip Unit Protection Functions** | LI |
| **Control Type** | Rotary handle<br>Toggle |
| **Circuit Breaker Mounting Mode** | Fixed |

## Complementary

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|---|---|
| **[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 |

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

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|---|---|
| **[Ics] Rated Service Short-Circuit Breaking Capacity** | 50 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>30 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2<br>40 kA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2<br>50 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>50 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 |
| **[Icw] Rated Short-Time Withstand Current** | 19.2 kA 1 s conforming to IEC 60947-2 |
| **Mechanical Durability** | 10000 cycles |
| **Electrical Durability** | 2000 cycles at 690 V In<br>4000 cycles at 690 V In/2<br>5000 cycles at 440 V In<br>6000 cycles at 440 V In/2 |
| **Power Losses** | 22 W |
| **Mounting Support** | Backplate |
| **Upside Connection** | Front |
| **Downside Connection** | Front |
| **Connection Pitch** | 70 mm |
| **Protection Type** | L : for overload protection (long time)<br>I : for instantaneous short-circuit protection |
| **Trip Unit Rating** | 1000 A at 50 °C |
| **Long-Time Pick-Up Adjustment Type Ir (Thermal Protection)** | Adjustable 9 settings |
| **[Ir] Long-Time Protection Pick-Up Adjustment Range** | 0.4...1 x In |
| **Long-Time Protection Delay Adjustment Type Tr** | Adjustable 9 settings |
| **[Tr] Long-Time Protection Delay Adjustment Range** | 12.5…600 s at 1.5 x Ir<br>0.5…24 s at 6 x Ir<br>0.7…16.6 s at 7.2 x Ir |
| **Thermal Memory** | 20 mn |
| **Instantaneous Protection Pick-Up Adjustment Type Ii** | Adjustable |
| **[Ii] Instantaneous Protection Pick-Up Adjustment Range** | 1.5...10 x Ir |
| **Earth-Leakage Protection** | Without |
| **Zone Selective Interlocking Zsi** | Without |
| **Auxiliary Contact Composition** | 1 NO/NC |
| **Local Signalling** | 4 LEDs (red) for fault indication<br>1 LED (yellow) for overload |
| **Width (W)** | 210 mm |
| **Height (H)** | 327 mm |
| **Depth (D)** | 147 mm |
| **Net Weight** | 14 kg |

# Environment

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

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|---|---|
| **Ambient Air Temperature For Storage** | -50…85 °C |
| **Relative Humidity** | 0…95 % |
| **Operating Altitude** | 0...2000 m without derating<br>2000 m...5000 m with derating |

## Packing Units

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|---|---|
| **Unit Type Of Package 1** | PCE |
| **Number Of Units In Package 1** | 1 |
| **Package 1 Height** | 30.000 cm |
| **Package 1 Width** | 40.000 cm |
| **Package 1 Length** | 60.000 cm |
| **Package 1 Weight** | 12.819 kg |
| **Unit Type Of Package 2** | P12 |
| **Number Of Units In Package 2** | 4 |
| **Package 2 Height** | 45.000 cm |
| **Package 2 Width** | 80.000 cm |
| **Package 2 Length** | 120.000 cm |
| **Package 2 Weight** | 63.276 kg |

## Contractual warranty

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|---|---|
| **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-$CO_2$ 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

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| Rohs Exemption Information | Yes |

## 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 |