# Product datasheet

Specifications

Green Premium™

## Circuit breaker, Compact NS80H, MA trip unit, 2.5A, 3P 3d

28105

Discontinued - Service only

## Main

| | |
|---|---|
| **Range Of Product** | NS80H-MA |
| **Product Or Component Type** | Circuit breaker |
| **Device Short Name** | Compact NS80H |
| **Circuit Breaker Name** | Compact NS80H |
| **Device Application** | Motor |
| **Poles Description** | 3P |
| **Protected Poles Description** | 3t |
| **Network Type** | AC |
| **Network Frequency** | 50/60 Hz |
| **[In] Rated Current** | 80 A at 65 °C |
| **[Ui] Rated Insulation Voltage** | 750 V AC 50/60 Hz conforming to IEC 60947-2 |
| **[Uimp] Rated Impulse Withstand Voltage** | 8 kV conforming to IEC 60947-2 |
| **[Ue] Rated Operational Voltage** | 690 V AC 50/60 Hz conforming to IEC 60947-2 |
| **Breaking Capacity Code** | H |
| **Breaking Capacity** | 10 kA at 600 V AC 50/60 Hz conforming to NEMA AB1<br>100 kA at 240 V AC 50/60 Hz conforming to NEMA AB1<br>65 kA at 480 V AC 50/60 Hz conforming to NEMA AB1<br>100 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>25 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>25 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>6 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 |
| **[Ics] Rated Service Breaking Capacity** | 100 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>25 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>25 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>6 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2<br>65 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>70 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 |
| **Suitability For Isolation** | Yes conforming to IEC 60947-2 |
| **Utilisation Category** | Category A |
| **Trip Unit Name** | MA |
| **Trip Unit Technology** | Magnetic |
| **Trip Unit Rating** | 2.5 A |
| **Protection Type** | Short-circuit protection (magnetic) |
| **Pollution Degree** | 3 conforming to IEC 60947 |

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

## Complementary

| | |
|---|---|
| **Control Type** | Toggle |
| **Mounting Mode** | Fixed |
| **Mounting Support** | Backplate |
| **Upside Connection** | Tunnel terminal |
| **Downside Connection** | Tunnel terminal |
| **Mechanical Durability** | 20000 cycles |
| **Electrical Durability** | 10000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2<br>7000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 |
| **Local Signalling** | Positive contact indication |
| **Instantaneous Pick-Up Adjustment Type Ii** | Adjustable |
| **Instantaneous Pick-Up Adjustment Range** | 6...14 x In |
| **Zone Selective Interlocking Zsi** | Without |
| **Earth-Leakage Protection** | Without |
| **Height** | 120 mm |
| **Width** | 90 mm |
| **Depth** | 80 mm |

## Environment

| | |
|---|---|
| **Standards** | IEC 60947-2 |
| **Product Certifications** | LCIE<br>ASEFA<br>KEMA<br>ASTA |
| **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** | 15.5 cm |
| **Package 1 Width** | 9.5 cm |
| **Package 1 Length** | 12.5 cm |
| **Package 1 Weight** | 1.049 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-$CO_2$ 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

## Certifications & Standards

| | |
|---|---|
| **Eu Rohs Directive** | Pro-active compliance (Product out of EU RoHS legal scope)<br>EU RoHS Declaration |
| **Environmental Disclosure** | Product Environmental Profile |
| **Circularity Profile** | End of Life Information |