

Product datasheet

Specifications



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 |
| [Uij] 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 100 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 65 kA at 480 V AC 50/60 Hz conforming to NEMA AB1 100 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 25 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 25 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 6 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 65 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 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 25 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 25 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 6 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 65 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 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 7000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 |
| Local Signalling | Positive contact indication |
| Instantaneous Pick-Up Adjustment Type li | 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 ASEFA KEMA 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

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|------------------------------|----------|
| 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 |
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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-CO₂ 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 >](#)



RoHS/REACH

Certifications & Standards

Eu Rohs Directive

Pro-active compliance (Product out of EU RoHS legal scope)

[EU RoHS Declaration](#)