Product datasheet

Specifications





NG125 - circuit breaker - NG125L - 2P - 80A - C curve

18796

① Discontinued

Main

| Range Of Product | NG125 |
|---------------------------|--|
| Range | Acti9 |
| Product Name | Acti9 NG125 |
| Product Or Component Type | Miniature circuit-breaker |
| Device Short Name | NG125L |
| Device Application | Distribution |
| Poles Description | 2P |
| Number Of Protected Poles | 2 |
| Neutral Position | Left |
| [In] Rated Current | 80 A at 40 °C |
| Network Type | DC AC |
| Trip Unit Technology | Thermal-magnetic |
| Curve Code | С |
| Breaking Capacity | 100 kA Icu at 220240 V AC 50/60 Hz conforming to EN/IEC 60947-2 40 kA Icu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 50 kA Icu at 380415 V AC 50/60 Hz conforming to EN/IEC 60947-2 15 kA Icu at 500 V AC 50/60 Hz conforming to EN/IEC 60947-2 36 kA Icu at <= 250 V DC conforming to EN/IEC 60947-2 |
| Utilisation Category | Category A conforming to IEC 60947-2 |
| Suitability For Isolation | Yes conforming to IEC 60947-2 |
| | |

Complementary

| Network Frequency | 50/60 Hz |
|--|--|
| [Ue] Rated Operational Voltage | 380415 V AC 50/60 Hz 500 V AC 50/60 Hz 220240 V AC 50/60 Hz 440 V AC 50/60 Hz <= 250 V DC |
| Magnetic Tripping Limit | 8 x ln +/- 20 % |
| [Ics] Rated Service Breaking Capacity | 75 kA 75 % conforming to EN/IEC 60947-2 - 220240 V AC 50/60 Hz 37.5 kA 75 % conforming to EN/IEC 60947-2 - 380415 V AC 50/60 Hz 30 kA 75 % conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz 11.25 kA 75 % conforming to EN/IEC 60947-2 - 500 V AC 50/60 Hz 50 kA 100 % conforming to EN/IEC 60947-2 - 250 V DC |
| [Ui] Rated Insulation Voltage | 690 V AC 50/60 Hz conforming to EN/IEC 60947-2 |

| [Uimp] Rated Impulse Withstand Voltage | 8 kV conforming to EN/IEC 60947-2 |
|---|---|
| Contact Position Indicator | Yes |
| Control Type | Toggle Manual tripping test |
| Local Signalling | ON/OFF indication Trip indicator |
| Mounting Mode | Clip-on |
| Mounting Support | 35 mm symmetrical DIN rail |
| Mounting Position | Vertical |
| Comb Busbar And Distribution Block Compatibility | NO |
| 9 Mm Pitches | 6 |
| Height | 103 mm |
| Depth | 81 mm |
| Width | 54 mm |
| Net Weight | 0.48 kg |
| Mechanical Durability | 20000 cycles |
| Electrical Durability | 5000 cycles |
| Provision For Padlocking | Padlockable |
| Locking Options Description | Integrated padlocking |
| Connections - Terminals | Tunnel type terminals1670 mm² rigid Tunnel type terminals1050 mm² flexible |
| Wire Stripping Length | 20 mm |
| Tightening Torque | 6 N.m |
| Earth-Leakage Protection | Separate block |

Environment

| Standards | EN/IEC 60947-2 |
|--|---------------------------------|
| Ip Degree Of Protection | IP20 conforming to IEC 60529 |
| Ik Degree Of Protection | IK05 conforming to EN/IEC 62262 |
| Pollution Degree | 3 conforming to IEC 60947-2 |
| Overvoltage Category | IV |
| Tropicalisation | 2 conforming to IEC 60068-1 |
| Relative Humidity | 95 % at 55 °C |
| Operating Altitude | 2000 m |
| Ambient Air Temperature For Operation | -3070 °C |
| Ambient Air Temperature For Storage | -4070 °C |

Packing Units

| Unit Type Of Package 1 | PCE |
|------------------------------|--------|
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 5.8 cm |
| Package 1 Width | 8.6 cm |

| Package 1 Length | 11.1 cm |
|------------------------------|-----------|
| Package 1 Weight | 502 g |
| Unit Type Of Package 2 | BB1 |
| Number Of Units In Package 2 | 6 |
| Package 2 Height | 9.3 cm |
| Package 2 Width | 11.9 cm |
| Package 2 Length | 36 cm |
| Package 2 Weight | 3.099 kg |
| Unit Type Of Package 3 | S03 |
| Number Of Units In Package 3 | 36 |
| Package 3 Height | 30 cm |
| Package 3 Width | 30 cm |
| Package 3 Length | 40 cm |
| Package 3 Weight | 19.081 kg |

Contractual warranty

Warranty

18 months

Sustainability Screen

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass 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 >



Transparency RoHS/REACh

Well-being performance

Reach Free Of Svhc

| Toxic Heavy Metal Free | |
|----------------------------|-----|
| Mercury Free | |
| Rohs Exemption Information | Yes |

Certifications & Standards

| Reach Regulation | REACh Declaration |
|--------------------------|---|
| Eu Rohs Directive | Compliant EU RoHS Declaration |
| China Rohs Regulation | China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope) |
| 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 |