

Product data sheet

Specifications



Miniature circuit breaker (MCB), Acti9 NG125L, 4P, 80A, C curve, 50kA (IEC/EN 60947-2)

18818

Main

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|---------------------------|--|
| 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 | 4P |
| Number of protected poles | 4 |
| Neutral position | Left |
| [In] rated current | 80 A at 40 °C |
| Network type | DC AC |
| Trip unit technology | Thermal-magnetic |
| Curve code | C |
| Breaking capacity | 100 kA Icu at 220...240 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 380...415 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 <= 500 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

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|---------------------------------------|--|
| Network frequency | 50/60 Hz |
| [Ue] rated operational voltage | 380...415 V AC 50/60 Hz 500 V AC 50/60 Hz <= 500 V DC 220...240 V AC 50/60 Hz 440 V AC 50/60 Hz |
| Magnetic tripping limit | 8 x In +/- 20 % |
| [Ics] rated service breaking capacity | 75 kA 75 % conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 37.5 kA 75 % conforming to EN/IEC 60947-2 - 380...415 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 - 500 V DC |
| [Ui] rated insulation voltage | 690 V AC 50/60 Hz conforming to EN/IEC 60947-2 |

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| [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 | Trip indicator ON/OFF indication |
| Mounting mode | Clip-on |
| Mounting support | 35 mm symmetrical DIN rail |
| Comb busbar and distribution block compatibility | NO |
| 9 mm pitches | 12 |
| Height | 103 mm |
| Width | 108 mm |
| Depth | 81 mm |
| Net weight | 0.96 kg |
| Mechanical durability | 20000 cycles |
| Electrical durability | 5000 cycles |
| Provision for padlocking | Padlockable |
| Locking options description | Integrated padlocking |
| Connections - terminals | Tunnel type terminals16...70 mm² rigid Tunnel type terminals10...50 mm² flexible |
| Wire stripping length | 20 mm |
| Tightening torque | 6 N.m |
| Earth-leakage protection | Separate block |

Environment

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|---------------------------------------|---------------------------------|
| 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 | -30...70 °C |
| Ambient air temperature for storage | -40...70 °C |

Packing Units

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|------------------------------|----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 8.4 cm |
| Package 1 Width | 13.4 cm |
| Package 1 Length | 16.8 cm |
| Package 1 Weight | 1.028 kg |

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|------------------------------|-----------|
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 12 |
| Package 2 Height | 30.0 cm |
| Package 2 Width | 30.0 cm |
| Package 2 Length | 40.0 cm |
| Package 2 Weight | 12.871 kg |

Offer Sustainability

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|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| China RoHS Regulation | China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope) |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Contractual warranty

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| Warranty | 18 months |
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Recommended replacement(s)