



Main

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| Circuit breaker application | Distribution |
| Range of product | NG125 |
| Product or component type | Circuit breaker |
| Device short name | NG125N |
| Poles description | 1P |
| Number of protected poles | 1 |
| [In] rated current | 50 A at 40 °C |
| Network type | AC DC |
| Trip unit technology | Thermal-magnetic |
| Curve code | C |
| Breaking capacity | 20 kA Icu conforming to EN/IEC 60947-2 - <= 144 V DC 25 kA Icu conforming to EN/IEC 60947-2 - 125 V DC 6 kA Icu conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz 50 kA Icu conforming to EN/IEC 60947-2 - 110...130 V AC 50/60 Hz 25 kA Icu conforming to EN/IEC 60947-2 - 12 V DC 25 kA Icu conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz |
| 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 |
| Magnetic tripping limit | 8 x In |
| [Ics] rated service breaking capacity | 25 kA 100 % x Icu conforming to EN/IEC 60947-2 - 60 V DC 4.5 kA 75 % x Icu conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz 18.75 kA 75 % x Icu conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 37.5 kA 75 % x Icu conforming to EN/IEC 60947-2 - 110...130 V AC 50/60 Hz 25 kA 100 % x Icu conforming to EN/IEC 60947-2 - 125 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 |
| Comb busbar distribution block compatibility | YES |
| 9 mm pitches | 3 |
| Height | 103 mm |
| Width | 27 mm |
| Depth | 81 mm |
| Product weight | 0.24 kg |
| Mechanical durability | 20000 cycles |
| Electrical durability | 10000 cycles |
| Provision for padlocking | Padlockable |

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| Locking options description | Integrated padlocking |
| Connections - terminals | Tunnel type terminals flexible wire(s) 1...35 mm ² max Tunnel type terminals rigid wire(s) 1.5...50 mm ² max |
| Wire stripping length | 20 mm |
| Tightening torque | 3.5 N.m |
| Earth-leakage protection | Without |

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 IEC 62262 |
| Pollution degree | 3 conforming to IEC 60947-2 |
| Tropicalisation | 2 conforming to IEC 60068-1 |
| Relative humidity | 95 % 55 °C |
| Ambient air temperature for operation | -10...60 °C |
| Ambient air temperature for storage | -40...70 °C |

Contractual warranty

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| Period | 18 months |
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