



Main

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| Range of product | NG125 |
| Range | Acti 9 |
| Product name | Acti 9 NG125 |
| Product or component type | Miniature circuit-breaker |
| Device short name | NG125L |
| Device application | Distribution |
| Poles description | 3P |
| Number of protected poles | 3 |
| [In] rated current | 80 A at 40 °C |
| Network type | AC DC |
| Trip unit technology | Thermal-magnetic |
| Curve code | D |
| Breaking capacity code | L |
| Breaking capacity | 100 kA Icu conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 50 kA Icu conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz 15 kA Icu conforming to EN/IEC 60947-2 - 500 V AC 50/60 Hz 40 kA Icu conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz 36 kA Icu conforming to EN/IEC 60947-2 - <= 375 V DC |
| 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 | <= 375 V DC 220...240 V AC 50/60 Hz 380...415 V AC 50/60 Hz 440 V AC 50/60 Hz 500 V AC 50/60 Hz |
| Magnetic tripping limit | 12 x In |
| [Ics] rated service breaking capacity | 75 kA at 75 % of breaking cap. conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 37.5 kA at 75 % of breaking cap. conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz 30 kA at 75 % of breaking cap. conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz 11.25 kA at 75 % of breaking cap. conforming to EN/IEC 60947-2 - 500 V AC 50/60 Hz 50 kA at 100 % of breaking cap. conforming to EN/IEC 60947-2 - 375 V DC |

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

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| [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 | Manual tripping test Toggle |
| Local signalling | ON/OFF indication Trip indicator |
| Mounting mode | Clip-on |
| Mounting support | 35 mm symmetrical DIN rail |
| Comb busbar and distribution block compatibility | NO |
| Connection pitch | 27 mm : Between phases |
| 9 mm pitches | 9 |
| Height | 103 mm |
| Width | 81 mm |
| Depth | 81 mm |
| Product weight | 0.72 kg |
| Mechanical durability | 20000 cycles |
| Electrical durability | 5000 cycles |
| Provision for padlocking | Padlockable |
| Locking options description | Integrated padlocking |
| Connections - terminals | Tunnel type terminals 16...70 mm ² rigid Tunnel type terminals 10...50 mm ² flexible |
| Wire stripping length | 20 mm |
| Tightening torque | 6 N.m |
| Earth-leakage protection | Separate block |
| Compatibility code | NG125 |
| Market segment | Small buildings Small commercial |

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 % 55 °C |
| Operating altitude | 2000 m |
| Ambient air temperature for operation | -30...70 °C |
| Ambient air temperature for storage | -40...70 °C |

Contractual warranty

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| Warranty period | 18 months |
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