



### Main

|                           |  |
|---------------------------|--|
| 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         | 1P   |
| Number of protected poles | 1  |
| [In] rated current        | 63 A at 40 °C  |
| Network type              | DC<br>AC   |
| Trip unit technology      | Thermal-magnetic   |
| Curve code                | C  |
| Breaking capacity code    | L  |
| Breaking capacity         | 50 kA Icu conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz<br>100 kA Icu conforming to EN/IEC 60947-2 - 110...130 V AC 50/60 Hz<br>50 kA Icu conforming to EN/IEC 60947-2 - 125 V DC<br>50 kA Icu conforming to EN/IEC 60947-2 - 12 V DC<br>36 kA Icu conforming to EN/IEC 60947-2 - <= 144 V DC<br>12.5 kA Icu conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz |
| 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        | <= 144 V DC<br>12 V DC<br>125 V DC<br>220...240 V AC 50/60 Hz<br>380...415 V AC 50/60 Hz<br>110...130 V AC 50/60 Hz   |
| Magnetic tripping limit               | 8 x In  |
| [Ics] rated service breaking capacity | 37.5 kA at 75 % of breaking cap. conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz<br>75 kA at 75 % of breaking cap. conforming to EN/IEC 60947-2 - 110...130 V AC 50/60 Hz<br>9.37 kA at 75 % of breaking cap. conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz<br>50 kA at 100 % of breaking cap. conforming to EN/IEC 60947-2 - 60 V DC |

50 kA at 100 % of breaking cap. 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<br>Manual tripping test  |
| Local signalling                                 | Trip indicator<br>ON/OFF indication   |
| Mounting mode                                    | Clip-on   |
| Mounting support                                 | 35 mm symmetrical DIN rail  |
| Comb busbar and distribution block compatibility | YES   |
| Connection pitch                                 | 27 mm : Between devices   |
| 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   |
| Locking options description                      | Integrated padlocking   |
| Connections - terminals                          | Tunnel type terminals 1.5...50 mm <sup>2</sup> rigid<br>Tunnel type terminals 1...35 mm <sup>2</sup> flexible |
| Wire stripping length                            | 20 mm   |
| Tightening torque                                | 3.5 N.m   |
| Earth-leakage protection                         | Without   |
| Compatibility code                               | NG125   |
| Market segment                                   | Small buildings<br>Small commercial   |

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

## Contractual warranty

|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|