



### Main

|                           |  |
|---------------------------|--|
| Range of product          | NG125  |
| Range                     | Acti 9   |
| Product name              | Acti 9 NG125   |
| Product or component type | Miniature circuit-breaker  |
| Device short name         | NG125N   |
| Device application        | Distribution   |
| Poles description         | 4P   |
| Number of protected poles | 4  |
| [In] rated current        | 125 A at 40 °C   |
| Network type              | AC<br>DC   |
| Trip unit technology      | Thermal-magnetic   |
| Curve code                | C  |
| Breaking capacity         | 10 kA Icu conforming to EN/IEC 60947-2 - 500 V<br>AC 50/60 Hz<br>20 kA Icu conforming to EN/IEC 60947-2 - 440 V<br>AC 50/60 Hz<br>25 kA Icu conforming to EN/IEC 60947-2 -<br>380...415 V AC 50/60 Hz<br>50 kA Icu conforming to EN/IEC 60947-2 -<br>220...240 V AC 50/60 Hz<br>20 kA Icu conforming to EN/IEC 60947-2 - ≤ 500<br>V DC |
| 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                   | ≤ 500 V DC<br>220...240 V AC 50/60 Hz<br>380...415 V AC 50/60 Hz<br>440 V AC 50/60 Hz<br>500 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<br>50/60 Hz<br>18.75 kA at 75 % of breaking cap. conforming to EN/IEC 60947-2 - 380...415 V AC<br>50/60 Hz<br>15 kA at 75 % of breaking cap. conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz<br>7.5 kA at 75 % of breaking cap. conforming to EN/IEC 60947-2 - 500 V AC 50/60 Hz<br>25 kA at 100 % of breaking cap. 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  |
| [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                                 | ON/OFF indication<br>Trip indicator   |
| 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   |
| Product 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 terminals 16...70 mm <sup>2</sup> rigid<br>Tunnel type terminals 10...50 mm <sup>2</sup> 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 % 55 °C                      |
| ambient air temperature for operation | -30...70 °C                     |
| ambient air temperature for storage   | -40...70 °C                     |