



### 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        | 80 A at 40 °C                                                                                                                                                                                                                                                                                                                                                                     |
| Network type              | AC<br>DC                                                                                                                                                                                                                                                                                                                                                                          |
| Trip unit technology      | Thermal-magnetic                                                                                                                                                                                                                                                                                                                                                                  |
| Curve code                | D                                                                                                                                                                                                                                                                                                                                                                                 |
| Breaking capacity         | 50 kA Icu at 220...240 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>100 kA Icu at 110...130 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>50 kA Icu at 12 V DC conforming to EN/IEC 60947-2<br>50 kA Icu at 125 V DC conforming to EN/IEC 60947-2<br>36 kA Icu at ≤ 144 V DC conforming to EN/IEC 60947-2<br>12.5 kA Icu at 380...415 V AC 50/60 Hz 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

|                                                  |                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network frequency                                | 50/60 Hz                                                                                                                                                                                                                                                                                                                     |
| [Ue] rated operational voltage                   | 380...415 V AC 50/60 Hz<br>125 V DC<br>≤ 144 V DC<br>12 V DC<br>220...240 V AC 50/60 Hz<br>110...130 V AC 50/60 Hz                                                                                                                                                                                                           |
| Magnetic tripping limit                          | 12 x In +/- 20 %                                                                                                                                                                                                                                                                                                             |
| [Ics] rated service breaking capacity            | 37.5 kA 75 % conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz<br>75 kA 75 % conforming to EN/IEC 60947-2 - 110...130 V AC 50/60 Hz<br>9.37 kA 75 % conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz<br>50 kA 100 % conforming to EN/IEC 60947-2 - 60 V DC<br>50 kA 100 % 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                                 | 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                | 3                                                                                   |
| Height                      | 103 mm                                                                              |
| Width                       | 27 mm                                                                               |
| Depth                       | 81 mm                                                                               |
| Net weight                  | 0.24 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<br>Tunnel type terminals10...50 mm² flexible |
| Wire stripping length       | 20 mm                                                                               |
| Tightening torque           | 6 N.m                                                                               |
| Earth-leakage protection    | Without                                                                             |

## 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 % 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

|                  |          |
|------------------|----------|
| Package 1 Weight | 0.252 kg |
| Package 1 Height | 0.800 dm |
| Package 1 width  | 0.300 dm |
| Package 1 Length | 1.100 dm |

## Offer Sustainability

|                            |                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                             |
| REACH Regulation           |  <a href="#">REACH Declaration</a>             |
| REACH free of SVHC         | Yes                                                                                                                               |
| EU RoHS Directive          | Compliant  <a href="#">EU RoHS Declaration</a> |
| Toxic heavy metal free     | Yes                                                                                                                               |
| Mercury free               | Yes                                                                                                                               |
| RoHS exemption information |  <a href="#">Yes</a>                           |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>        |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</a> |
| Circularity Profile        |  <a href="#">End Of Life Information</a>       |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins       |

## Contractual warranty

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