



## 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         | 3P                                                                                                                                                                                                                                                                                                                           |
| Number of protected poles | 3                                                                                                                                                                                                                                                                                                                            |
| [In] rated current        | 80 A at 40 °C                                                                                                                                                                                                                                                                                                                |
| Network type              | DC<br>AC                                                                                                                                                                                                                                                                                                                     |
| Trip unit technology      | Thermal-magnetic                                                                                                                                                                                                                                                                                                             |
| Curve code                | C                                                                                                                                                                                                                                                                                                                            |
| Breaking capacity         | 20 kA Icu at ≤ 375 V DC conforming to EN/IEC 60947-2<br>10 kA Icu at 500 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>20 kA Icu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>25 kA Icu at 380...415 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>50 kA Icu at 220...240 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 | ≤ 375 V DC<br>380...415 V AC 50/60 Hz<br>500 V AC 50/60 Hz<br>220...240 V AC 50/60 Hz<br>440 V AC 50/60 Hz |
| Magnetic tripping limit        | 8 x In                                                                                                     |

|                                                  |                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Ics] rated service breaking capacity            | 37.5 kA 75 % conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz<br>18.75 kA 75 % conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz<br>15 kA 75 % conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz<br>7.5 kA 75 % conforming to EN/IEC 60947-2 - 500 V AC 50/60 Hz<br>20 kA 100 % conforming to EN/IEC 60947-2 - ≤ 375 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                                     | Manual tripping test<br>Toggle                                                                                                                                                                                                                                                                                                      |
| 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                                     | 9                                                                                                                                                                                                                                                                                                                                   |
| Height                                           | 103 mm                                                                                                                                                                                                                                                                                                                              |
| Width                                            | 81 mm                                                                                                                                                                                                                                                                                                                               |
| Depth                                            | 81 mm                                                                                                                                                                                                                                                                                                                               |
| Net 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 mm² rigid<br>Tunnel type terminals 10...50 mm² 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 % at 55 °C                   |
| Ambient air temperature for operation | -30...70 °C                     |
| Ambient air temperature for storage   | -40...70 °C                     |

## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Weight             | 801 g   |
| Package 1 Height             | 8.6 cm  |
| Package 1 width              | 12.1 cm |
| Package 1 Length             | 13 cm   |

## Offer Sustainability

|                          |                                   |
|--------------------------|-----------------------------------|
| Sustainable offer status | Green Premium product             |
| REACH Regulation         | <a href="#">REACH Declaration</a> |
| REACH free of SVHC       | Yes                               |

|                            |                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive          | Compliant<br><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><br>Pro-active China RoHS declaration (out of China RoHS legal scope)                 |
| 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 |
|----------|-----------|