



### Main

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|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product          | NG125                                                                                                                                                                                                                                                                                                                        |
| Range                     | Acti9                                                                                                                                                                                                                                                                                                                        |
| Product name              | Acti9 NG125                                                                                                                                                                                                                                                                                                                  |
| Product or component type | Miniature circuit-breaker                                                                                                                                                                                                                                                                                                    |
| Device short name         | NG125N                                                                                                                                                                                                                                                                                                                       |
| Device application        | Distribution                                                                                                                                                                                                                                                                                                                 |
| Poles description         | 2P                                                                                                                                                                                                                                                                                                                           |
| Number of protected poles | 2                                                                                                                                                                                                                                                                                                                            |
| [In] rated current        | 10 A at 40 °C                                                                                                                                                                                                                                                                                                                |
| Network type              | DC<br>AC                                                                                                                                                                                                                                                                                                                     |
| Trip unit technology      | Thermal-magnetic                                                                                                                                                                                                                                                                                                             |
| Curve code                | C                                                                                                                                                                                                                                                                                                                            |
| Breaking capacity         | 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<br>20 kA Icu at ≤ 250 V DC 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>500 V AC 50/60 Hz<br>220...240 V AC 50/60 Hz<br>440 V AC 50/60 Hz<br>≤ 250 V DC                                                                                                                                                                                                                        |
| 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>25 kA 100 % conforming to EN/IEC 60947-2 - 250 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                                                                                                                                                                                                                                                                                                                               |
| 9 mm pitches                                     | 6                                                                                                                                                                                                                                                                                                                                 |
| Height                                           | 103 mm                                                                                                                                                                                                                                                                                                                            |

|                             |                                                                                     |
|-----------------------------|-------------------------------------------------------------------------------------|
| Width                       | 54 mm                                                                               |
| Depth                       | 81 mm                                                                               |
| Net weight                  | 0.48 kg                                                                             |
| Mechanical durability       | 20000 cycles                                                                        |
| Electrical durability       | 10000 cycles                                                                        |
| Provision for padlocking    | Padlockable                                                                         |
| Locking options description | Integrated padlocking                                                               |
| Connections - terminals     | Tunnel type terminals1.5...50 mm² rigid<br>Tunnel type terminals1...35 mm² flexible |
| Wire stripping length       | 20 mm                                                                               |
| Tightening torque           | 3.5 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 Height             | 5.4 cm    |
| Package 1 Width              | 7.8 cm    |
| Package 1 Length             | 11.2 cm   |
| Package 1 Weight             | 468 g     |
| Unit Type of Package 2       | BB1       |
| Number of Units in Package 2 | 6         |
| Package 2 Height             | 9.1 cm    |
| Package 2 Width              | 11.9 cm   |
| Package 2 Length             | 36 cm     |
| Package 2 Weight             | 2.891 kg  |
| Unit Type of Package 3       | S03       |
| Number of Units in Package 3 | 36        |
| Package 3 Height             | 30 cm     |
| Package 3 Width              | 30 cm     |
| Package 3 Length             | 40 cm     |
| Package 3 Weight             | 17.834 kg |

## 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                                                                                                                               |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>        |
| RoHS exemption information |  <a href="#">Yes</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 |
| <b>Contractual warranty</b> |                                                                                                                             |
| Warranty                    | 18 months                                                                                                                   |