

# Product data sheet

Specifications



## Miniature circuit breaker (MCB), Acti9 NG125H, 1P, 20A, C curve, 36kA (IEC/EN 60947-2)

18707

### Main

|                           |  |
|---------------------------|--|
| Range of product          | NG125  |
| Range                     | Acti9  |
| Product name              | Acti9 NG125  |
| Product or component type | Miniature circuit-breaker  |
| Device short name         | NG125H   |
| Device application        | Distribution   |
| Poles description         | 1P   |
| Number of protected poles | 1  |
| [In] rated current        | 20 A at 40 °C  |
| Network type              | AC<br>DC   |
| Trip unit technology      | Thermal-magnetic   |
| Curve code                | C  |
| Breaking capacity         | 36 kA Icu at 220...240 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>36 kA Icu at 12 V DC conforming to EN/IEC 60947-2<br>70 kA Icu at 110...130 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>36 kA Icu at 125 V DC conforming to EN/IEC 60947-2<br>25 kA Icu at <= 144 V DC conforming to EN/IEC 60947-2<br>9 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               | 8 x In +/- 20 %  |
| [Ics] rated service breaking capacity | 52.5 kA 75 % conforming to EN/IEC 60947-2 - 110...130 V AC 50/60 Hz<br>27 kA 75 % conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz<br>6.75 kA 75 % conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz<br>36 kA 100 % conforming to EN/IEC 60947-2 - 60 V DC<br>36 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                                     | Manual tripping test<br>Toggle  |
| 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                                     | 3   |
| Height   | 103 mm  |
| Width  | 27 mm   |
| Depth  | 81 mm   |
| Net 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 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                         | 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                   |
| 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             | 3.2 cm  |
| Package 1 Width              | 8.1 cm  |
| Package 1 Length             | 10.7 cm |
| Package 1 Weight             | 243.0 g |
| Unit Type of Package 2       | BB1     |



|                              |           |
|------------------------------|-----------|
| Number of Units in Package 2 | 12        |
| Package 2 Height             | 9.1 cm    |
| Package 2 Width              | 11.9 cm   |
| Package 2 Length             | 36.1 cm   |
| Package 2 Weight             | 3.004 kg  |
| Unit Type of Package 3       | S03       |
| Number of Units in Package 3 | 72        |
| Package 3 Height             | 30.0 cm   |
| Package 3 Width              | 30.0 cm   |
| Package 3 Length             | 40.0 cm   |
| Package 3 Weight             | 18.513 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<br><a href="#">EU RoHS Declaration</a>  |
| Toxic heavy metal free     | Yes   |
| Mercury free               | Yes   |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a><br>Pro-active China RoHS declaration (out of China RoHS legal scope)                 |
| 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 |

### Contractual warranty

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

### Recommended replacement(s)