# Product datasheet

Specifications



## Miniature circuit breaker (MCB), Acti9 NG125H, 1P, 40A, D curve, 36kA (IEC/EN 60947-2)

19355

Discontinued on: 15 Aug 2024

Discontinued

## Main

| | |
|---|---|
| **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** | 40 A at 40 °C |
| **Network type** | AC<br>DC |
| **Trip unit technology** | Thermal-magnetic |
| **Curve code** | D |
| **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 |
| **Standards** | EN/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** | 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 |

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | |
|---|---|
| **Contact position indicator** | Yes |
| **Control type** | Toggle<br>Manual tripping test |
| **Local signalling** | ON/OFF indication<br>Trip indicator |
| **Mounting mode** | Clip-on |
| **Mounting position** | Vertical |
| **Mounting support** | 35 mm symmetrical DIN rail |
| **Comb busbar and distribution block compatibility** | YES |
| **9 mm pitches** | 3 |
| **Height** | 103 mm |
| **Depth** | 81 mm |
| **Width** | 27 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

| | |
|---|---|
| **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** | 8 cm |
| **Package 1 Width** | 3 cm |
| **Package 1 Length** | 11 cm |
| **Package 1 Weight** | 251 g |
| **Unit Type of Package 2** | BB1 |

| | |
|---|---|
| **Number of Units in Package 2** | 12 |
| **Package 2 Height** | 8.5 cm |
| **Package 2 Width** | 11.5 cm |
| **Package 2 Length** | 36 cm |
| **Package 2 Weight** | 3.21 kg |
| **Unit Type of Package 3** | S03 |
| **Number of Units in Package 3** | 72 |
| **Package 3 Height** | 30 cm |
| **Package 3 Width** | 30 cm |
| **Package 3 Length** | 40 cm |
| **Package 3 Weight** | 19.695 kg |

## Contractual warranty

| | |
|---|---|
| **Warranty (in months)** | 18 |

## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

### Environmental footprint

| | |
|---|---|
| Total lifecycle Carbon footprint | **26 kg CO2 eq.** |
| Environmental Disclosure | **Product Environmental Profile** |
| Carbon footprint of the manufacturing phase [A1 to A3] | **1 kg CO2 eq.** |
| Carbon footprint of the distribution phase [A4] | **0 kg CO2 eq.** |
| Carbon footprint of the installation phase [A5] | **0 kg CO2 eq.** |
| Carbon footprint of the use phase [B2, B3, B4, B6] | **24 kg CO2 eq.** |
| Carbon footprint of the end-of-life phase [C1 to C4] | **0 kg CO2 eq.** |

## Use Better

### Materials and Substances

| | |
|---|---|
| EU RoHS Directive | **Compliant with Exemptions** |
| SCIP Number | **C839c050-8547-41ce-b0db-e9813554fc09** |
| REACh Regulation | **REACh Declaration** |

## Use Longer

### Lifetime extension

| | |
|---|---|
| Repair | **No** |

## Use Again

### Repack and remanufacture

| | |
|---|---|
| WEEE Label | **The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins** |