



## Main

|                           |                                                                                                                                                                                                                                                                                                                                         |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product          | NG125                                                                                                                                                                                                                                                                                                                                   |
| Range                     | Acti 9                                                                                                                                                                                                                                                                                                                                  |
| Product name              | Acti 9 NG125                                                                                                                                                                                                                                                                                                                            |
| Product or component type | Miniature circuit-breaker                                                                                                                                                                                                                                                                                                               |
| Device short name         | NG125H                                                                                                                                                                                                                                                                                                                                  |
| Device application        | Distribution                                                                                                                                                                                                                                                                                                                            |
| Poles description         | 4P                                                                                                                                                                                                                                                                                                                                      |
| Number of protected poles | 4                                                                                                                                                                                                                                                                                                                                       |
| Neutral position          | Left                                                                                                                                                                                                                                                                                                                                    |
| [In] rated current        | 63 A at 40 °C                                                                                                                                                                                                                                                                                                                           |
| Network type              | AC<br>DC                                                                                                                                                                                                                                                                                                                                |
| Trip unit technology      | Thermal-magnetic                                                                                                                                                                                                                                                                                                                        |
| Curve code                | C                                                                                                                                                                                                                                                                                                                                       |
| Breaking capacity         | 12 kA Icu conforming to EN/IEC 60947-2 - 500 V<br>AC 50/60 Hz<br>30 kA Icu conforming to EN/IEC 60947-2 - 440 V<br>AC 50/60 Hz<br>36 kA Icu conforming to EN/IEC 60947-2 -<br>380...415 V AC 50/60 Hz<br>70 kA Icu conforming to EN/IEC 60947-2 -<br>220...240 V AC 50/60 Hz<br>25 kA Icu conforming to EN/IEC 60947-2 - <= 500<br>V DC |
| 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               | <= 500 V DC<br>220...240 V AC 50/60 Hz<br>380...415 V AC 50/60 Hz<br>440 V AC 50/60 Hz<br>500 V AC 50/60 Hz                                                                                                                                                                                                                                                                                                                              |
| Magnetic tripping limit                      | 8 x In                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| [Ics] rated service breaking capacity        | 52.5 kA at 75 % of breaking cap. conforming to EN/IEC 60947-2 - 220...240 V AC<br>50/60 Hz<br>27 kA at 75 % of breaking cap. conforming to EN/IEC 60947-2 - 380...415 V AC 50/60<br>Hz<br>22.5 kA at 75 % of breaking cap. conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz<br>9 kA at 75 % of breaking cap. conforming to EN/IEC 60947-2 - 500 V AC 50/60 Hz<br>36 kA at 100 % of breaking cap. conforming to EN/IEC 60947-2 - 500 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 distribution block compatibility | YES                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 9 mm pitches                                 | 12                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Height                                       | 103 mm                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|                             |                       |
|-----------------------------|-----------------------|
| Width                       | 108 mm                |
| Depth                       | 81 mm                 |
| Product weight              | 0.96 kg               |
| Mechanical durability       | 20000 cycles          |
| Electrical durability       | 10000 cycles          |
| Provision for padlocking    | Padlockable           |
| Locking options description | Integrated padlocking |
| Connections - terminals     |                       |
| 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 % 55 °C                      |
| operating altitude                    | 2000 m                          |
| ambient air temperature for operation | -30...70 °C                     |
| ambient air temperature for storage   | -40...70 °C                     |