



### Main

|                             |   |
|-----------------------------|---|
| Circuit breaker application | Distribution  |
| Range of product            | NG125   |
| Product or component type   | Circuit breaker   |
| Device short name           | NG125L  |
| Poles description           | 3P  |
| Number of protected poles   | 3   |
| [In] rated current          | 50 A at 40 °C   |
| Network type                | AC<br>DC  |
| Trip unit technology        | Thermal-magnetic  |
| Curve code                  | B   |
| Breaking capacity           | 36 kA Icu conforming to EN/IEC 60947-2 - <= 375 V DC<br>15 kA Icu conforming to EN/IEC 60947-2 - 500 V AC 50/60 Hz<br>50 kA Icu conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz<br>40 kA Icu conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz<br>100 kA Icu conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz |
| Utilisation category        | Category A conforming to IEC 60947-2  |
| Suitability for isolation   | Yes conforming to IEC 60947-2   |

### Complementary

|  |  |
|--|--|
| Network frequency                            | 50/60 Hz   |
| Magnetic tripping limit                      | 4 x In   |
| [Ics] rated service breaking capacity        | 50 kA 100 % x Icu conforming to EN/IEC 60947-2 - 375 V DC<br>11.25 kA 75 % x Icu conforming to EN/IEC 60947-2 - 500 V AC 50/60 Hz<br>30 kA 75 % x Icu conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz<br>37.5 kA 75 % x Icu conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz<br>75 kA 75 % x Icu conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz |
| [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                                 | 9  |
| Height                                       | 103 mm   |
| Width  | 81 mm  |
| Depth  | 81 mm  |
| Product weight                               | 0.72 kg  |
| Mechanical durability                        | 20000 cycles   |
| Electrical durability                        | 10000 cycles   |
| Provision for padlocking                     | Padlockable  |

|                             |   |
|-----------------------------|---|
| Locking options description | Integrated padlocking   |
| Connections - terminals     | Tunnel type terminals flexible wire(s) 1...35 mm <sup>2</sup> max<br>Tunnel type terminals rigid wire(s) 1.5...50 mm <sup>2</sup> max |
| 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 IEC 60529 |
| Pollution degree                      | 3 conforming to IEC 60947-2  |
| Tropicalisation                       | 2 conforming to IEC 60068-1  |
| Relative humidity                     | 95 % 55 °C                   |
| Operating altitude                    | 2000 m                       |
| Ambient air temperature for operation | -10...60 °C                  |
| Ambient air temperature for storage   | -40...70 °C                  |

## Contractual warranty

|        |           |
|--------|-----------|
| Period | 18 months |
|--------|-----------|