



### Main

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| Circuit breaker application | Distribution                                                                                                                                                                                                                                                                                                            |
| Range of product            | NG125                                                                                                                                                                                                                                                                                                                   |
| Product or component type   | Circuit breaker                                                                                                                                                                                                                                                                                                         |
| Device short name           | NG125H                                                                                                                                                                                                                                                                                                                  |
| Poles description           | 4P                                                                                                                                                                                                                                                                                                                      |
| Number of protected poles   | 4                                                                                                                                                                                                                                                                                                                       |
| Neutral position            | Left                                                                                                                                                                                                                                                                                                                    |
| [In] rated current          | 80 A at 40 °C                                                                                                                                                                                                                                                                                                           |
| Network type                | AC<br>DC                                                                                                                                                                                                                                                                                                                |
| Trip unit technology        | Thermal-magnetic                                                                                                                                                                                                                                                                                                        |
| Curve code                  | C                                                                                                                                                                                                                                                                                                                       |
| Breaking capacity           | 25 kA Icu conforming to EN/IEC 60947-2 - ≤ 500 V DC<br>70 kA Icu conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz<br>36 kA Icu conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz<br>30 kA Icu conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz<br>12 kA Icu conforming to EN/IEC 60947-2 - 500 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                      | 8 x In                                                                                                                                                                                                                                                                                                                                                       |
| [Ics] rated service breaking capacity        | 36 kA 100 % x Icu conforming to EN/IEC 60947-2 - 500 V DC<br>9 kA 75 % x Icu conforming to EN/IEC 60947-2 - 500 V AC 50/60 Hz<br>22.5 kA 75 % x Icu conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz<br>27 kA 75 % x Icu conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz<br>52.5 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 | NO                                                                                                                                                                                                                                                                                                                                                           |
| 9 mm pitches                                 | 12                                                                                                                                                                                                                                                                                                                                                           |
| Height                                       | 103 mm                                                                                                                                                                                                                                                                                                                                                       |
| Width                                        | 108 mm                                                                                                                                                                                                                                                                                                                                                       |
| Depth                                        | 81 mm                                                                                                                                                                                                                                                                                                                                                        |
| Product weight                               | 0.96 kg                                                                                                                                                                                                                                                                                                                                                      |
| Mechanical durability                        | 20000 cycles                                                                                                                                                                                                                                                                                                                                                 |
| Electrical durability                        | 5000 cycles                                                                                                                                                                                                                                                                                                                                                  |

|                             |                                                                                                                                       |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Provision for padlocking    | Padlockable                                                                                                                           |
| Locking options description | Integrated padlocking                                                                                                                 |
| Connections - terminals     | Tunnel type terminals flexible wire(s) 10...50 mm <sup>2</sup> max<br>Tunnel type terminals rigid wire(s) 16...70 mm <sup>2</sup> max |
| Wire stripping length       | 20 mm                                                                                                                                 |
| Tightening torque           | 6 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 62262 |
| 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 |
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