



### Main

|                           |                                                              |
|---------------------------|--------------------------------------------------------------|
| Device application        | Distribution                                                 |
| Range                     | Acti 9                                                       |
| Product name              | Acti 9 K60                                                   |
| Product or component type | Miniature circuit-breaker                                    |
| Device short name         | K60N                                                         |
| Poles description         | 3P                                                           |
| Number of protected poles | 3                                                            |
| [In] rated current        | 6 A                                                          |
| Network type              | AC                                                           |
| Trip unit technology      | Thermal-magnetic                                             |
| Curve code                | C                                                            |
| Breaking capacity         | 6000 A Icn at 400 V AC 50/60 Hz conforming to EN/IEC 60898-1 |
| Utilisation category      | Category A conforming to IEC 60947-2                         |
| Suitability for isolation | Yes conforming to EN/IEC 60898-1                             |
| Standards                 | EN/IEC 60898-1                                               |
| Product certifications    | OVE<br>VDE                                                   |

### Complementary

|                                        |                                                               |
|----------------------------------------|---------------------------------------------------------------|
| Network frequency                      | 50/60 Hz                                                      |
| Magnetic tripping limit                | 5...10 x In                                                   |
| [Ics] rated service breaking capacity  | 6000 A 100 % conforming to EN/IEC 60898-1 - 400 V AC 50/60 Hz |
| Limitation class                       | 3 conforming to EN/IEC 60898-1                                |
| [Ui] rated insulation voltage          | 440 V AC 50/60 Hz conforming to EN/IEC 60898-1                |
| [Uimp] rated impulse withstand voltage | 4 kV conforming to EN/IEC 60898-1                             |
| Contact position indicator             | No                                                            |

|                                                  |                                                                                                                                                                                                                                    |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Control type                                     | Toggle                                                                                                                                                                                                                             |
| Local signalling                                 | Without                                                                                                                                                                                                                            |
| Mounting mode                                    | Fixed                                                                                                                                                                                                                              |
| Mounting support                                 | DIN rail                                                                                                                                                                                                                           |
| Comb busbar and distribution block compatibility | Downside: biconnect                                                                                                                                                                                                                |
| 9 mm pitches                                     | 6                                                                                                                                                                                                                                  |
| Height                                           | 81 mm                                                                                                                                                                                                                              |
| Width                                            | 54 mm                                                                                                                                                                                                                              |
| Depth                                            | 70 mm                                                                                                                                                                                                                              |
| Net weight                                       | 0.36 kg                                                                                                                                                                                                                            |
| Colour                                           | White                                                                                                                                                                                                                              |
| Mechanical durability                            | 20000 cycles                                                                                                                                                                                                                       |
| Electrical durability                            | 20000 cycles                                                                                                                                                                                                                       |
| Connections - terminals                          | Tunnel type terminals (downstream) 0.5...35 mm² rigid<br>Tunnel type terminals (upstream) 0.5...35 mm² rigid<br>Tunnel type terminals (downstream) 0.5...25 mm² flexible<br>Tunnel type terminals (upstream) 0.5...25 mm² flexible |
| Wire stripping length                            | 14 mm for top or bottom connection                                                                                                                                                                                                 |
| Tightening torque                                | 3.5 N.m top or bottom                                                                                                                                                                                                              |
| Earth-leakage protection                         | Without                                                                                                                                                                                                                            |

## Environment

|                                       |                                                           |
|---------------------------------------|-----------------------------------------------------------|
| IP degree of protection               | IP20 conforming to IEC 60529                              |
| Pollution degree                      | 2 conforming to IEC 60898-1<br>2 conforming to EN 60898-1 |
| Overvoltage category                  | II                                                        |
| Tropicalisation                       | 2 conforming to IEC 60068-1                               |
| Relative humidity                     | 95 % at 55 °C                                             |
| Operating altitude                    | 0...2000 m                                                |
| Ambient air temperature for operation | -25...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 Weight             | 320.5 g   |
| Package 1 Height             | 5.3 cm    |
| Package 1 width              | 7.3 cm    |
| Package 1 Length             | 8.5 cm    |
| Unit Type of Package 2       | BB1       |
| Number of Units in Package 2 | 4         |
| Package 2 Weight             | 1.326 kg  |
| Package 2 Height             | 9 cm      |
| Package 2 width              | 8 cm      |
| Package 2 Length             | 22 cm     |
| Unit Type of Package 3       | S03       |
| Number of Units in Package 3 | 48        |
| Package 3 Weight             | 16.399 kg |
| Package 3 Height             | 30 cm     |
| Package 3 width              | 30 cm     |
| Package 3 Length             | 40 cm     |

### 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>                                                                            |
| Mercury free                | Yes                                                                                                                         |
| RoHS exemption information  | <a href="#">Yes</a>                                                                                                         |
| China RoHS Regulation       | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information       |
| Environmental Disclosure    | <a href="#">Product Environmental Profile</a>                                                                               |
| WEEE                        | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Halogen content performance | Halogen free product                                                                                                        |

### Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 12 months |
|----------|-----------|