

## Product data sheet

### Characteristics

# A9K02106

## Acti 9 K60N 1P - 6 A - C curve 6000 A



### Main

|                           |  |
|---------------------------|--|
| Device application        | Distribution   |
| Range                     | Acti 9   |
| Product name              | Acti9 K60  |
| Product or component type | Miniature circuit-breaker                                    |
| Device short name         | K60N   |
| Poles description         | 1P   |
| Number of protected poles | 1  |
| [In] rated current        | 6 A  |
| Network type              | AC   |
| Trip unit technology      | Thermal-magnetic   |
| Curve code                | C  |
| Breaking capacity         | 6000 A Icn at 230 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    | VDE<br>OVE   |

### 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 - 230 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                                     | 2  |
| Height   | 81 mm  |
| Width  | 18 mm  |
| Depth  | 70 mm  |
| Net weight                                       | 0.12 kg  |
| Colour   | White  |
| Mechanical durability                            | 20000 cycles   |
| Electrical durability                            | 20000 cycles   |
| Connections - terminals                          | Tunnel type terminals (downstream) 0.5...35 mm <sup>2</sup> rigid<br>Tunnel type terminals (upstream) 0.5...35 mm <sup>2</sup> rigid<br>Tunnel type terminals (downstream) 0.5...25 mm <sup>2</sup> flexible<br>Tunnel type terminals (upstream) 0.5...25 mm <sup>2</sup> flexible |
| Wire stripping length                            | 14 mm for top or bottom connection   |

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|                          |                       |
|--------------------------|-----------------------|
| 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             | 106 g     |
| Package 1 Height             | 1.8 cm    |
| Package 1 width              | 7.5 cm    |
| Package 1 Length             | 8.5 cm    |
| Unit Type of Package 2       | P12       |
| Number of Units in Package 2 | 1152      |
| Package 2 Weight             | 146.92 kg |
| Package 2 Height             | 50 cm     |
| Package 2 width              | 80 cm     |
| Package 2 Length             | 120 cm    |
| Unit Type of Package 3       | BB1       |
| Number of Units in Package 3 | 12        |
| Package 3 Weight             | 1.314 kg  |
| Package 3 Height             | 8 cm      |
| Package 3 width              | 8.8 cm    |
| Package 3 Length             | 22 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  <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>        |
| 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 |
|----------|-----------|