

# Product datasheet

Specifications



## Acti9 K60N 4P - 50A - B curve 6000 A

A9K01450

⚠ Discontinued on: 30 Jun 2021

⚠ End-of-service on: 4 Nov 2021

⚠ Discontinued

### Main

|                           |                                                              |
|---------------------------|--------------------------------------------------------------|
| Device application        | Distribution                                                 |
| Range                     | Acti9                                                        |
| Product name              | Acti9 K60                                                    |
| Product or component type | Miniature circuit-breaker                                    |
| Device short name         | K60N                                                         |
| Poles description         | 4P                                                           |
| Number of protected poles | 4                                                            |
| [In] rated current        | 50 A                                                         |
| Network type              | AC                                                           |
| Trip unit technology      | Thermal-magnetic                                             |
| Curve code                | B                                                            |
| Breaking capacity         | 6000 A Icn at 400 V AC 50/60 Hz conforming to EN/IEC 60898-1 |
| 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                          | 3...5 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                                             |
| 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                                     | 8                                                             |
| Height                                           | 81 mm                                                         |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                          |                                                                                                                                                                                                                                    |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Width                    | 72 mm                                                                                                                                                                                                                              |
| Depth                    | 70 mm                                                                                                                                                                                                                              |
| Net weight               | 0.48 kg                                                                                                                                                                                                                            |
| Colour                   | White                                                                                                                                                                                                                              |
| Mechanical durability    | 20000 cycles                                                                                                                                                                                                                       |
| Electrical durability    | 10000 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 |
| 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   | -25...85 °C                  |

## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Height             | 7.2 cm  |
| Package 1 Width              | 7.08 cm |
| Package 1 Length             | 8.1 cm  |
| Package 1 Weight             | 0.41 kg |

## Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Use Better

| Materials and Substances          |                           |
|-----------------------------------|---------------------------|
| <a href="#">EU RoHS Directive</a> | Compliant with Exemptions |
| Halogen-free status               | Halogen free product      |

### Use Longer

| Lifetime extension |    |
|--------------------|----|
| Repair             | No |