# Product data sheet
## Characteristics

# A9F92210
## Miniature circuit-breaker, Acti9 iC60L, 2P, 10 A, Z curve, 15000 A (IEC 60898-1), 25 kA (IEC 60947-2)




### Main

| | |
|---|---|
| Device application | Distribution |
| Range | Acti 9 |
| Product name | Acti9 iC60 |
| Product or component type | Miniature circuit-breaker |
| Device short name | IC60L |
| Poles description | 2P |
| Number of protected poles | 2 |
| [In] rated current | 10 A |
| Network type | DC<br>AC |
| Trip unit technology | Thermal-magnetic |
| Curve code | Z |
| Breaking capacity | 15000 A Icn at 400 V AC 50/60 Hz conforming to EN/IEC 60898-1<br>50 KA Icu at 220...240 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>70 KA Icu at 12...60 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>70 KA Icu at 100...133 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>20 KA Icu at <= 125 V DC conforming to EN/IEC 60947-2<br>20 KA Icu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>25 kA Icu at 380...415 V AC 50/60 Hz conforming to EN/IEC 60947-2 |
| Utilisation category | Category A conforming to EN 60947-2<br>Category A conforming to IEC 60947-2 |
| Suitability for isolation | Yes conforming to EN 60947-2<br>Yes conforming to IEC 60947-2 |
| Standards | EN 60947-2<br>IEC 60947-2 |

### Complementary

| | |
|---|---|
| Network frequency | 50/60 Hz |
| Magnetic tripping limit | 3 x In +/- 20 % |
| [Ics] rated service breaking capacity | 12.5 KA 50 % conforming to EN 60947-2 - 380...415 V AC 50/60 Hz<br>10 KA 50 % conforming to EN 60947-2 - 440 V AC 50/60 Hz<br>12.5 KA 50 % conforming to IEC 60947-2 - 380...415 V AC 50/60 Hz<br>10 KA 50 % conforming to IEC 60947-2 - 440 V AC 50/60 Hz<br>25 KA 50 % conforming to EN 60947-2 - 220...240 V AC 50/60 Hz<br>25 KA 50 % conforming to IEC 60947-2 - 220...240 V AC 50/60 Hz<br>35 KA 50 % conforming to EN 60947-2 - 12...133 V AC 50/60 Hz<br>35 KA 50 % conforming to IEC 60947-2 - 12...133 V AC 50/60 Hz<br>20 KA 100 % conforming to EN 60947-2 - 72...125 V DC<br>20 kA 100 % conforming to IEC 60947-2 - 72...125 V DC |
| Limitation class | 3 conforming to EN 60898-1<br>3 conforming to IEC 60898-1 |
| [Ui] rated insulation voltage | 500 V AC 50/60 Hz conforming to EN 60947-2<br>500 V AC 50/60 Hz conforming to IEC 60947-2 |

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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.
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| | |
|---|---|
| [Uimp] rated impulse withstand voltage | 6 KV conforming to EN 60947-2<br>6 kV conforming to IEC 60947-2 |
| Contact position indicator | Yes |
| Control type | Toggle |
| Local signalling | Trip indicator |
| Mounting mode | Fixed |
| Mounting support | DIN rail |
| Comb busbar and distribution block compatibility | Top or bottom: YES |
| 9 mm pitches | 4 |
| Height | 85 mm |
| Width | 36 mm |
| Depth | 78.5 mm |
| Net weight | 0.25 kg |
| Colour | White |
| Mechanical durability | 20000 cycles |
| Electrical durability | 10000 cycles |
| Connections - terminals | Single terminal (top or bottom) 1…25 mm² rigid<br>Single terminal (top or bottom) 1…16 mm² flexible |
| Wire stripping length | 14 mm for top or bottom connection |
| Tightening torque | 2 N.m top or bottom |
| Earth-leakage protection | Separate block |

## Environment

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|---|---|
| IP degree of protection | IP20 conforming to IEC 60529<br>IP20 conforming to EN 60529 |
| Pollution degree | 3 conforming to EN 60947-2<br>3 conforming to IEC 60947-2 |
| Overvoltage category | IV |
| Tropicalisation | 2 conforming to IEC 60068-1 |
| Relative humidity | 95 % at 55 °C |
| Operating altitude | 0...2000 m |
| Ambient air temperature for operation | -35…70 °C |
| Ambient air temperature for storage | -40…85 °C |

## Packing Units

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|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 214.0 g |
| Package 1 Height | 7.1 cm |
| Package 1 width | 3.5 cm |
| Package 1 Length | 9.4 cm |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 6 |
| Package 2 Weight | 1.342 kg |
| Package 2 Height | 8.1 cm |
| Package 2 width | 10.1 cm |
| Package 2 Length | 22.5 cm |
| Unit Type of Package 3 | S03 |
| Number of Units in Package 3 | 66 |
| Package 3 Weight | 15.261 kg |
| Package 3 Height | 30 cm |
| Package 3 width | 30 cm |
| Package 3 Length | 40 cm |

## Offer Sustainability

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|---|---|
| Sustainable offer status | Green Premium product |
| REACh Regulation | REACh Declaration |
| REACh free of SVHC | Yes |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS Declaration |
| Environmental Disclosure | Product Environmental Profile |
| 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

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|---|---|
| Warranty | 18 months |