

Product datasheet

Specifications



miniature circuit breaker - xC60 - 1 pole - 6 A - C curve

A9N1P06C

Main

| | |
|---------------------------|---|
| Device application | Distribution |
| Range of product | Acti9 |
| Range | Acti9 |
| Product name | XC60 |
| Product or component type | Miniature circuit-breaker |
| Device short name | xC60 |
| Poles description | 1P |
| Number of protected poles | 1 |
| [In] rated current | 6 A |
| Network type | AC DC |
| Trip unit technology | Thermal-magnetic |
| Curve code | C |
| Utilisation category | Category A conforming to EN/IEC 60947-2 |
| Suitability for isolation | Yes conforming to EN/IEC 60947-2 |

Complementary

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| Network frequency | 50/60 Hz |
| [Ue] rated operational voltage | 220...240 V AC 50/60 Hz 12...48 V DC 60 V DC |
| Magnetic tripping limit | 8 x In +/- 20 % |
| Breaking capacity | 10000 A Icn at 240 V AC 50/60 Hz conforming to EN/IEC 60898-1 15 kA Icu at 220...240 V AC 50/60 Hz conforming to EN/IEC 60947-2 15 kA Icu at 12...48 V DC conforming to EN/IEC 60947-2 6 kA Icu at 60 V DC conforming to EN/IEC 60947-2 |
| [Ics] rated service breaking capacity | 15 kA conforming to EN/IEC 60947-2 - 12...48 V DC 6 kA conforming to EN/IEC 60947-2 - 60 V DC |
| Limitation class | 3 conforming to EN/IEC 60898-1 3 conforming to EN/IEC 60947-2 |
| [Ui] rated insulation voltage | 500 V AC 50/60 Hz conforming to EN/IEC 60947-2 |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to EN/IEC 60947-2 |
| Contact position indicator | Yes |

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| Control type | Toggle |
| Local signalling | ON/OFF indication |
| Mounting mode | Clip-on |
| Mounting support | 35 mm DIN rail |
| Comb busbar and distribution block compatibility | Top: YES |
| 9 mm pitches | 2 |
| Height | 85 mm |
| Width | 18 mm |
| Depth | 77.5 mm |
| Net weight | 0.115 kg |
| Colour | White |
| Mechanical durability | 20000 cycles |
| Electrical durability | 20000 cycles |
| Connections - terminals | Tunnel type terminals (bottom) 16 mm ² flexible Tunnel type terminals (bottom) 25 mm ² rigid Biconnect (top) |
| Wire stripping length | 13 mm for top or bottom connection |
| Tightening torque | 2 N.m |
| Earth-leakage protection | Separate block |
| Product compatibility | C60 accessories C60 auxiliary |

Environment

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|--|----------------------------------|
| Standards | EN/IEC 60947-2 EN/IEC 60898-1 |
| IP degree of protection | IP20 conforming to IEC 60529 |
| Pollution degree | 3 |
| Tropicalisation | 2 conforming to IEC 60068-1 |
| Overvoltage category | IV |
| Relative humidity | 95 % at 55 °C |
| Ambient air temperature for operation | -30...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 Height | 2 cm |
| Package 1 Width | 7.6 cm |
| Package 1 Length | 8.4 cm |
| Package 1 Weight | 100 g |

Offer Sustainability

| | |
|--------------------------|--|
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Compliant EU RoHS Declaration |

| | |
|------------------------------------|---|
| Mercury free | Yes |
| Sustainable packaging | Yes |
| China RoHS Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information |
| RoHS exemption information | Yes |
| Halogen content performance | Halogen free plastic parts & cables product |

Recommended replacement(s)