

Product datasheet

Specifications



miniature circuit breaker - xC60 - 2 poles - 50 A - C curve

A9N2P50C

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 | 2P |
| Number of protected poles | 2 |
| [In] rated current | 50 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 | 240 V AC 50/60 Hz 380...415 V AC 50/60 Hz 100...125 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 10000 A Icn at 415 V AC 50/60 Hz conforming to EN/IEC 60898-1 6 kA Icu at 100...125 V DC conforming to EN/IEC 60947-2 10 kA Icu at 380...415 V AC 50/60 Hz conforming to EN/IEC 60947-2 |
| [Ics] rated service breaking capacity | 6 kA conforming to EN/IEC 60947-2 - 100...125 V DC 7.5 kA conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz |
| 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 | 4 |
| Height | 85 mm |
| Width | 36 mm |
| Depth | 77.5 mm |
| Net weight | 0.215 kg |
| Colour | White |
| Mechanical durability | 20000 cycles |
| Electrical durability | 10000 cycles |
| Connections - terminals | Biconnect (top) Tunnel type terminals (bottom) 25 mm² flexible Tunnel type terminals (bottom) 35 mm² rigid |
| Wire stripping length | 13 mm for top or bottom connection |
| Tightening torque | 3.5 N.m |
| Earth-leakage protection | Separate block |
| Product compatibility | C60 auxiliary C60 accessories |

Environment

| | |
|---------------------------------------|----------------------------------|
| 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 |
| 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 | Db |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 7.0 cm |
| Package 1 Width | 4.0 cm |
| Package 1 Length | 8.0 cm |
| Package 1 Weight | 256.0 g |

Offer Sustainability

| | |
|--------------------------|--|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Compliant EU RoHS Declaration |

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

Recommended replacement(s)