

# Product datasheet

Specifications



## miniature circuit breaker - xC60 - 2 poles - 6 A - C curve

A9N2P06C

### 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        | 6 A                                     |
| Network type              | AC<br>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

|  |  |
|--|--|
| Network frequency                      | 50/60 Hz   |
| [Ue] rated operational voltage         | 240 V AC 50/60 Hz<br>380...415 V AC 50/60 Hz<br>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<br>10000 A Icn at 415 V AC 50/60 Hz conforming to EN/IEC 60898-1<br>15 kA Icu at 380...415 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>6 kA Icu at 100...125 V DC conforming to EN/IEC 60947-2 |
| [Ics] rated service breaking capacity  | 6 kA conforming to EN/IEC 60947-2 - 100...125 V DC<br>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<br>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  |

|   |  |
|---|--|
| <b>Control type</b>                                     | Toggle   |
| <b>Local signalling</b>                                 | ON/OFF indication  |
| <b>Mounting mode</b>                                    | Clip-on  |
| <b>Mounting support</b>                                 | 35 mm DIN rail   |
| <b>Comb busbar and distribution block compatibility</b> | Top: YES   |
| <b>9 mm pitches</b>                                     | 4  |
| <b>Height</b>   | 85 mm  |
| <b>Width</b>  | 36 mm  |
| <b>Depth</b>  | 77.5 mm  |
| <b>Net weight</b>                                       | 0.215 kg   |
| <b>Colour</b>   | White  |
| <b>Mechanical durability</b>                            | 20000 cycles   |
| <b>Electrical durability</b>                            | 20000 cycles   |
| <b>Connections - terminals</b>                          | Tunnel type terminals (bottom) 16 mm <sup>2</sup> flexible<br>Tunnel type terminals (bottom) 25 mm <sup>2</sup> rigid<br>Biconnect (top) |
| <b>Wire stripping length</b>                            | 13 mm for top or bottom connection   |
| <b>Tightening torque</b>                                | 2 N.m  |
| <b>Earth-leakage protection</b>                         | Separate block   |
| <b>Product compatibility</b>                            | C60 auxiliary<br>C60 accessories   |

## Environment

|  |                                  |
|--|----------------------------------|
| <b>Standards</b>                             | EN/IEC 60898-1<br>EN/IEC 60947-2 |
| <b>IP degree of protection</b>               | IP20 conforming to IEC 60529     |
| <b>Pollution degree</b>                      | 3                                |
| <b>Tropicalisation</b>                       | 2 conforming to IEC 60068-1      |
| <b>Relative humidity</b>                     | 95 % at 55 °C                    |
| <b>Ambient air temperature for operation</b> | -30...70 °C                      |
| <b>Ambient air temperature for storage</b>   | -40...85 °C                      |

## Packing Units

|                                     |         |
|-------------------------------------|---------|
| <b>Unit Type of Package 1</b>       | PCE     |
| <b>Number of Units in Package 1</b> | 1       |
| <b>Package 1 Height</b>             | 7.0 cm  |
| <b>Package 1 Width</b>              | 4.0 cm  |
| <b>Package 1 Length</b>             | 8.0 cm  |
| <b>Package 1 Weight</b>             | 230.0 g |

## Offer Sustainability

|                                 |  |
|---------------------------------|--|
| <b>Sustainable offer status</b> | Green Premium product                            |
| <b>REACH Regulation</b>         | <a href="#">REACH Declaration</a>                |
| <b>EU RoHS Directive</b>        | Compliant<br><a href="#">EU RoHS Declaration</a> |

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|                                    |   |
|------------------------------------|---|
| <b>Mercury free</b>                | Yes   |
| <b>RoHS exemption information</b>  | <a href="#">Yes</a>   |
| <b>China RoHS Regulation</b>       | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information |
| <b>Environmental Disclosure</b>    | <a href="#">Product Environmental Profile</a>   |
| <b>Halogen content performance</b> | Halogen free plastic parts & cables product   |

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### Recommended replacement(s)