

# Product datasheet

Specifications



Miniature circuit breaker (MCB),  
Acti9 xC60, 4P, 32A, C curve, 10kA  
(IS/IEC60947-2)

A9N4P32CIN

## 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         | 4P                                      |
| Number of protected poles | 4                                       |
| [In] rated current        | 32 A                                    |
| Network type              | AC<br>DC                                |
| Trip unit technology      | Thermal-magnetic                        |
| Curve code                | C                                       |
| Utilisation category      | Category A conforming to IS/IEC 60947-2 |
| Suitability for isolation | Yes conforming to IS/IEC 60947-2        |

## Complementary

|                                        |                                                                                                                        |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Network frequency                      | 50/60 Hz                                                                                                               |
| [Ue] rated operational voltage         | 415 V AC 50/60 Hz<br>220...250 V DC                                                                                    |
| Magnetic tripping limit                | 8 x In +/- 20 %                                                                                                        |
| Breaking capacity                      | 15 kA Inc at 415 V AC 50/60 Hz conforming to IS/IEC 60947-2<br>6 kA Icu at 220...250 V DC conforming to IS/IEC 60947-2 |
| [Ics] rated service breaking capacity  | 7.5 kA conforming to IS/IEC 60947-2 - 415 V AC 50/60 Hz<br>6 kA conforming to IS/IEC 60947-2 - 220...250 V DC          |
| Limitation class                       | 3 conforming to IS/IEC 60947-2                                                                                         |
| [Ui] rated insulation voltage          | 500 V AC 50/60 Hz conforming to IS/IEC 60947-2                                                                         |
| [Uimp] rated impulse withstand voltage | 4 kV conforming to IS/IEC 60947-2                                                                                      |
| Contact position indicator             | Yes                                                                                                                    |
| Control type                           | Toggle                                                                                                                 |
| Local signalling                       | ON/OFF indication                                                                                                      |
| Mounting mode                          | Clip-on                                                                                                                |
| Mounting support                       | 35 mm DIN rail                                                                                                         |

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

|                                                  |                                                                                                                     |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Comb busbar and distribution block compatibility | Top: YES                                                                                                            |
| 9 mm pitches                                     | 8                                                                                                                   |
| Height                                           | 85 mm                                                                                                               |
| Width                                            | 72 mm                                                                                                               |
| Depth                                            | 77.5 mm                                                                                                             |
| Product weight                                   | 0.415 kg                                                                                                            |
| Colour                                           | White                                                                                                               |
| Mechanical durability                            | 20000 cycles                                                                                                        |
| Electrical durability                            | 10000 cycles                                                                                                        |
| Connections - terminals                          | Biconnect (bottom)<br>Tunnel type terminals (bottom) 25 mm² flexible<br>Tunnel type terminals (bottom) 35 mm² rigid |
| Wire stripping length                            | 13 mm for top or bottom connection                                                                                  |
| Tightening torque                                | 2 N.m                                                                                                               |
| Earth-leakage protection                         | Separate block                                                                                                      |
| Product compatibility                            | C60 auxiliary<br>C60 accessories                                                                                    |
| Overvoltage category                             | IV                                                                                                                  |

## Environment

|                                       |                             |
|---------------------------------------|-----------------------------|
| Standards                             | IS/IEC 60947-2              |
| IP degree of protection               | IP20                        |
| 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

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 8.1 cm   |
| Package 1 Width              | 7.15 cm  |
| Package 1 Length             | 7.4 cm   |
| Package 1 Weight             | 470 g    |
| Unit Type of Package 2       | BB1      |
| Number of Units in Package 2 | 3        |
| Package 2 Height             | 8 cm     |
| Package 2 Width              | 9 cm     |
| Package 2 Length             | 23.8 cm  |
| Package 2 Weight             | 1.472 kg |
| Unit Type of Package 3       | CAR      |

|                              |           |
|------------------------------|-----------|
| Number of Units in Package 3 | 36        |
| Package 3 Height             | 27 cm     |
| Package 3 Width              | 30 cm     |
| Package 3 Length             | 35 cm     |
| Package 3 Weight             | 18.264 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 >](#)

|  Environmental footprint |                                               |
|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| Total lifecycle Carbon footprint                                                                          | 23 kg CO2 eq.                                 |
| Carbon footprint of the manufacturing phase [A1 to A3]                                                    | 3 kg CO2 eq.                                  |
| Carbon footprint of the distribution phase [A4]                                                           | 0.1 kg CO2 eq.                                |
| Carbon footprint of the installation phase [A5]                                                           | 0 kg CO2 eq.                                  |
| Carbon footprint of the use phase [B2, B3, B4, B6]                                                        | 19 kg CO2 eq.                                 |
| Carbon footprint of the end-of-life phase [C1 to C4]                                                      | 1 kg CO2 eq.                                  |
| Environmental Disclosure                                                                                  | <a href="#">Product Environmental Profile</a> |

Use Better

|  Materials and Substances |                                                                                        |
|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard                                                                      | No                                                                                     |
| Packaging without single use plastic                                                                        | No                                                                                     |
| EU RoHS Directive                                                                                           | <a href="#">Compliant By Exemption</a>                                                 |
| REACH Regulation                                                                                            | <a href="#">Reference contains Substances of Very High Concern above the threshold</a> |
| Halogen-free status                                                                                         | Product contains halogen above thresholds                                              |
| PVC free                                                                                                    | No                                                                                     |
| Silicone-free                                                                                               | No                                                                                     |

Use Longer

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

Use Again

|  Repack and remanufacture |                                          |
|--------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Recyclability potential, in %                                                                                | 2                                        |
| End of life manual availability                                                                              | No need of specific recycling operations |
| Take-back                                                                                                    | No                                       |