

# Product datasheet

Specifications



Miniature circuit-breaker. Acti9 C120a. 2P. 100 A. C curve. 5 kA (IEC 60947-2)

A9N60712

Price: 1,976.09 ZAR

## Main

|                           |                                                                  |
|---------------------------|------------------------------------------------------------------|
| Range Of Product          | C120                                                             |
| Range                     | Acti9                                                            |
| Product Name              | C120                                                             |
| Product Or Component Type | Miniature circuit-breaker                                        |
| Device Short Name         | C120a                                                            |
| Device Application        | Distribution                                                     |
| Poles Description         | 2P                                                               |
| Number Of Protected Poles | 2                                                                |
| [In] Rated Current        | 100 A at 40 °C                                                   |
| Network Type              | AC                                                               |
| Trip Unit Technology      | Thermal-magnetic                                                 |
| Curve Code                | C                                                                |
| Breaking Capacity         | 5 kA Icu at 230...400 V AC 50/60 Hz 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         | 230...400 V AC 50/60 Hz                                           |
| Magnetic Tripping Limit                | 8 x In +/- 20 %                                                   |
| [Ics] Rated Service Breaking Capacity  | 5 kA 100 % conforming to EN/IEC 60947-2 - 230...400 V AC 50/60 Hz |
| Limitation Class                       | 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                                                               |
| Control Type                           | Toggle                                                            |
| Local Signalling                       | ON/OFF indication                                                 |
| Mounting Mode                          | Clip-on                                                           |
| Mounting Support                       | 35 mm symmetrical DIN rail                                        |
| 9 Mm Pitches                           | 6                                                                 |
| Height                                 | 81 mm                                                             |
| Depth                                  | 73 mm                                                             |

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

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

|                          |                                                                                                           |
|--------------------------|-----------------------------------------------------------------------------------------------------------|
| Width                    | 54 mm                                                                                                     |
| Net Weight               | 0.41 kg                                                                                                   |
| Colour                   | White                                                                                                     |
| Mechanical Durability    | 20000 cycles                                                                                              |
| Electrical Durability    | 5000 cycles                                                                                               |
| Provision For Padlocking | Yes                                                                                                       |
| Connections - Terminals  | Tunnel type terminals1 cable(s) 1...50 mm² rigid<br>Tunnel type terminals1 cable(s) 1.5...35 mm² flexible |
| Wire Stripping Length    | Power circuit: 15 mm for top or bottom connection                                                         |
| Tightening Torque        | Power circuit: 3.5 N.m top or bottom                                                                      |
| Earth-Leakage Protection | Separate block                                                                                            |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Standards                             | EN/IEC 60947-2               |
| Ip Degree Of Protection               | IP20 conforming to IEC 60529 |
| Pollution Degree                      | 3 conforming to IEC 60947-2  |
| Overvoltage Category                  | III                          |
| 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...80 °C                  |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type Of Package 1       | PCE       |
| Number Of Units In Package 1 | 1         |
| Package 1 Height             | 7.500 cm  |
| Package 1 Width              | 5.400 cm  |
| Package 1 Length             | 8.600 cm  |
| Package 1 Weight             | 385.000 g |
| Unit Type Of Package 2       | BB1       |
| Number Of Units In Package 2 | 6         |
| Package 2 Height             | 9.500 cm  |
| Package 2 Width              | 8.500 cm  |
| Package 2 Length             | 33.000 cm |
| Package 2 Weight             | 2.589 kg  |
| Unit Type Of Package 3       | S03       |
| Number Of Units In Package 3 | 36        |
| Package 3 Height             | 30.000 cm |
| Package 3 Width              | 30.000 cm |
| Package 3 Length             | 40.000 cm |
| Package 3 Weight             | 16.021 kg |

# Contractual warranty

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

Sustainability



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Transparency   RoHS/REACH

## Well-being performance

|              |                            |     |
|--------------|----------------------------|-----|
| <div>✓</div> | Toxic Heavy Metal Free     |     |
| <div>✓</div> | Mercury Free               |     |
| <div>✓</div> | Rohs Exemption Information | Yes |

## Certifications & Standards

|                          |                                                                                                             |
|--------------------------|-------------------------------------------------------------------------------------------------------------|
| Reach Regulation         | <a href="#">REACH Declaration</a>                                                                           |
| Eu Rohs Directive        | Compliant<br><a href="#">EU RoHS Declaration</a>                                                            |
| China Rohs Regulation    | <a href="#">China RoHS declaration</a><br>Pro-active China RoHS declaration (out of China RoHS legal scope) |
| Environmental Disclosure | <a href="#">Product Environmental Profile</a>                                                               |
| Circularity Profile      | No need of specific recycling operations                                                                    |