

# Product datasheet

Specifications



## Miniature circuit-breaker. Acti9 C120a. 3P. 80 A. C curve. 5 kA (IEC 60947-2)

A9N60714

**Price: 2,006.39 ZAR**

### Main

|                           |  |
|---------------------------|--|
| Range                     | Acti9  |
| Product name              | Acti9 C120   |
| Product or component type | Miniature circuit-breaker  |
| Device short name         | C120a  |
| Device application        | Distribution   |
| Poles description         | 3P   |
| Number of protected poles | 3  |
| [In] rated current        | 80 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                                 |
| Standards                 | 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                           | 9   |
| Height                                 | 81 mm   |
| Depth                                  | 73 mm   |

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

|                                    |   |
|------------------------------------|---|
| <b>Width</b>                       | 81 mm   |
| <b>Net weight</b>                  | 0.615 kg  |
| <b>Colour</b>                      | White   |
| <b>Mechanical durability</b>       | 20000 cycles  |
| <b>Electrical durability</b>       | 5000 cycles   |
| <b>Provision for padlocking</b>    | Yes   |
| <b>Locking options description</b> | Handle sealable with cable diameter 0.7mm in OFF or ON position   |
| <b>Connections - terminals</b>     | Tunnel type terminals1 cable(s) 1...50 mm <sup>2</sup> rigid<br>Tunnel type terminals1 cable(s) 1.5...35 mm <sup>2</sup> flexible |
| <b>Wire stripping length</b>       | Power circuit: 15 mm for top or bottom connection   |
| <b>Tightening torque</b>           | Power circuit: 3.5 N.m top or bottom  |
| <b>Earth-leakage protection</b>    | Separate block  |

## Environment

|  |                              |
|--|------------------------------|
| <b>IP degree of protection</b>               | IP20 conforming to IEC 60529 |
| <b>Pollution degree</b>                      | 3 conforming to IEC 60947-2  |
| <b>Overvoltage category</b>                  | III                          |
| <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...80 °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>             | 7.500 cm  |
| <b>Package 1 Width</b>              | 8.100 cm  |
| <b>Package 1 Length</b>             | 8.500 cm  |
| <b>Package 1 Weight</b>             | 579.100 g |
| <b>Unit Type of Package 2</b>       | BB1       |
| <b>Number of Units in Package 2</b> | 4         |
| <b>Package 2 Height</b>             | 8.500 cm  |
| <b>Package 2 Width</b>              | 9.200 cm  |
| <b>Package 2 Length</b>             | 33.500 cm |
| <b>Package 2 Weight</b>             | 2.377 kg  |
| <b>Unit Type of Package 3</b>       | S03       |
| <b>Number of Units in Package 3</b> | 24        |
| <b>Package 3 Height</b>             | 30.000 cm |
| <b>Package 3 Width</b>              | 30.000 cm |
| <b>Package 3 Length</b>             | 40.000 cm |
| <b>Package 3 Weight</b>             | 14.763 kg |

# Contractual warranty

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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 57

Environmental Disclosure [Product Environmental Profile](#)

## Use Better

### Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic Yes

[EU RoHS Directive](#) Compliant

SCIP Number Ab76a2c8-39ad-4485-a07c-19f81f42d0a0

REACH Regulation [REACH Declaration](#)

Halogen-free status Product contains halogen above thresholds

## Use Longer

### Lifetime extension

Repair No

## Use Again

### Repack and remanufacture

End of life manual availability No need of specific recycling operations

Take-back No

WEEE Label The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins