

# Product data sheet

Specifications



## Miniature circuit breaker (MCB), Acti9 C120a, 3P, 80A, D curve, 5kA (IEC/EN 60947-2)

A9N60723

### 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	3P
Number Of Protected Poles	3
[In] Rated Current	80 A at 40 °C
Network Type	AC
Trip Unit Technology	Thermal-magnetic
Curve Code	D
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	12 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

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	81 mm
Net Weight	0.615 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 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	7.5 cm
Package 1 Width	8.1 cm
Package 1 Length	8.6 cm
Package 1 Weight	580 g
Unit Type Of Package 2	BB1
Number Of Units In Package 2	4
Package 2 Height	9.5 cm
Package 2 Width	8.5 cm
Package 2 Length	33 cm
Package 2 Weight	2.592 kg
Unit Type Of Package 3	S03
Number Of Units In Package 3	24
Package 3 Height	30 cm
Package 3 Width	30 cm
Package 3 Length	40 cm
Package 3 Weight	16.039 kg

# Contractual warranty

Warranty	18 months
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## Sustainability

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**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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[Guide to assess a product's sustainability >](#)



Transparency   RoHS/REACH

## Well-being performance

✓ Reach Free Of Svhc

✓ Toxic Heavy Metal Free

✓ Mercury Free

✓ Rohs Exemption Information   Yes

## Certifications & Standards

Reach Regulation	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Compliant <a href="#">EU RoHS Declaration</a>
China Rohs Regulation	<a href="#">China RoHS declaration</a> 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