

# Product datasheet

Specifications



## Miniature circuit breaker (MCB), Acti9 C120H, 1P, 80A, C curve, 15kA (IEC/EN 60947-2)

A9N60777

⚠ Discontinued on: 03-Jul-2023

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### Main

Range Of Product	C120
Range	Acti9
Product Name	C120
Product Or Component Type	Miniature circuit-breaker
Device Short Name	C120H
Device Application	Distribution
Poles Description	1P
Number Of Protected Poles	1
[In] Rated Current	80 A at 40 °C
Network Type	DC AC
Trip Unit Technology	Thermal-magnetic
Curve Code	C
Breaking Capacity	20 kA Icu at 12 V DC conforming to EN/IEC 60947-2 20 kA Icu at 125 V DC conforming to EN/IEC 60947-2 15 kA Icu at <= 144 V DC conforming to EN/IEC 60947-2 15 kA Icu at 230...400 V AC 50/60 Hz conforming to EN/IEC 60947-2

### Complementary

Network Frequency	50/60 Hz
[Ue] Rated Operational Voltage	125 V DC <= 144 V DC 12 V DC 230...400 V AC 50/60 Hz
Magnetic Tripping Limit	8 x In +/- 20 %
[Ics] Rated Service Breaking Capacity	15 kA 100 % conforming to EN/IEC 60947-2 - 125 V DC 20 kA 100 % conforming to EN/IEC 60947-2 - 12 V DC 15 kA 100 % conforming to EN/IEC 60947-2 - <= 144 V DC 7.5 kA 50 % 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
Control Type	Toggle
Local Signalling	ON/OFF indication
Mounting Mode	Clip-on

<b>Mounting Support</b>	35 mm symmetrical DIN rail
<b>9 Mm Pitches</b>	3
<b>Height</b>	81 mm
<b>Depth</b>	73 mm
<b>Width</b>	27 mm
<b>Net Weight</b>	0.205 kg
<b>Colour</b>	White
<b>Mechanical Durability</b>	20000 cycles
<b>Electrical Durability</b>	5000 cycles
<b>Connections - Terminals</b>	Tunnel type terminals1...50 mm <sup>2</sup> rigid Tunnel type terminals1.5...35 mm <sup>2</sup> flexible
<b>Wire Stripping Length</b>	15 mm
<b>Tightening Torque</b>	3.5 N.m
<b>Earth-Leakage Protection</b>	Without

## Environment

<b>Standards</b>	EN/IEC 60947-2
<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>	2.700 cm
<b>Package 1 Length</b>	8.600 cm
<b>Package 1 Weight</b>	193.000 g
<b>Unit Type Of Package 2</b>	BB1
<b>Number Of Units In Package 2</b>	12
<b>Package 2 Height</b>	9.500 cm
<b>Package 2 Width</b>	8.500 cm
<b>Package 2 Length</b>	33.000 cm
<b>Package 2 Weight</b>	2.574 kg
<b>Unit Type Of Package 3</b>	S03
<b>Number Of Units In Package 3</b>	72
<b>Package 3 Height</b>	30.000 cm

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Package 3 Width	30.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	15.931 kg

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## Contractual warranty

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Warranty	18 months
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## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

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

[Learn more about Green Premium >](#)

[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**

[REACH Declaration](#)

**Eu Rohs Directive**

Compliant

[EU RoHS Declaration](#)

**China Rohs Regulation**

[China RoHS declaration](#)

Pro-active China RoHS declaration (out of China RoHS legal scope)

**Environmental Disclosure**

[Product Environmental Profile](#)

**Circularity Profile**

No need of specific recycling operations