

# Product datasheet

Specifications



## C120H - circuit breaker - 1P - 125A - C curve

A9N18448

! Discontinued on: Nov 1, 2020

! Discontinued

### 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	125 A at 30 °C
Network Type	AC
Trip Unit Technology	Thermal-magnetic
Curve Code	C
Breaking Capacity	30 kA Icu at 130 V AC 50/60 Hz conforming to EN/IEC 60947-2 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 220...240 V AC 50/60 Hz conforming to EN/IEC 60947-2 15000 A Icn at 230...400 V AC 50/60 Hz conforming to EN/IEC 60898-1 4.5 kA Icu at 380...415 V AC 50/60 Hz IT conforming to EN/IEC 60947-2 30 kA Icu at 12 V AC 50/60 Hz conforming to EN/IEC 60947-2
Suitability For Isolation	Yes conforming to IEC 60947-2

### Complementary

Network Frequency	50/60 Hz
[Ue] Rated Operational Voltage	380...415 V AC 50/60 Hz 125 V DC <= 144 V DC 12 V DC 220...240 V AC 50/60 Hz 230...400 V AC 50/60 Hz 130 V AC 50/60 Hz 12 V AC 50/60 Hz
Magnetic Tripping Limit	5...10 x In

<b>[Ics] Rated Service Breaking Capacity</b>	15 kA 50 % conforming to EN/IEC 60947-2 - 130 V AC 50/60 Hz 7.5 kA 50 % conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 2.25 kA 50 % conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz 7500 A 50 % conforming to EN/IEC 60898-1 - 230...400 V AC 50/60 Hz 20 kA 100 % conforming to EN/IEC 60947-2 - 12 V DC 15 kA 100 % conforming to EN/IEC 60947-2 - ≤ 144 V DC 20 kA 100 % conforming to EN/IEC 60947-2 - 125 V DC 15 kA 50 % conforming to EN/IEC 60947-2 - 12 V AC 50/60 Hz
<b>Limitation Class</b>	3 conforming to EN/IEC 60947-2
<b>[Ui] Rated Insulation Voltage</b>	500 V AC 50/60 Hz conforming to EN/IEC 60947-2
<b>[Uimp] Rated Impulse Withstand Voltage</b>	6 kV conforming to EN/IEC 60947-2
<b>Contact Position Indicator</b>	Yes
<b>Control Type</b>	Toggle
<b>Local Signalling</b>	ON/OFF indication
<b>Mounting Mode</b>	Clip-on
<b>Mounting Support</b>	35 mm symmetrical DIN rail
<b>Comb Busbar And Distribution Block Compatibility</b>	NO
<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 conforming to IEC 60947-2
<b>Locking Options Description</b>	Handle sealable with cable diameter 0.7mm in OFF or ON position
<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 EN/IEC 60898-1
<b>Product Certifications</b>	EAC
<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>	IV
<b>Tropicalisation</b>	2 conforming to IEC 60068-1
<b>Relative Humidity</b>	95 % at 55 °C
<b>Operating Altitude</b>	2000 m
<b>Ambient Air Temperature For Operation</b>	-30...60 °C
<b>Ambient Air Temperature For Storage</b>	-40...70 °C

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.7 cm
Package 1 Width	7.2 cm
Package 1 Length	8.6 cm
Package 1 Weight	193.0 g
Unit Type Of Package 2	BB1
Number Of Units In Package 2	12
Package 2 Height	8.8 cm
Package 2 Width	9.6 cm
Package 2 Length	33.3 cm
Package 2 Weight	2.386 kg
Unit Type Of Package 3	S03
Number Of Units In Package 3	72
Package 3 Height	30.0 cm
Package 3 Width	30.0 cm
Package 3 Length	40.0 cm
Package 3 Weight	14.803 kg

## Contractual warranty

Warranty	12 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](#)

**Weee**

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

**Circularity Profile**

No need of specific recycling operations