

Product datasheet

Specifications



Miniature circuit-breaker, Acti9 C120H, 1P, 80 A, D curve, 15000 A (IEC 60898-1), 15 kA (IEC 60947-2)

Local distributor code:

397539909

A9N18490

EAN Code: 3606480380617

Main

Range	Acti9
Product name	Acti9 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 30 °C
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	D
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
Standards	EN/IEC 60947-2 EN/IEC 60898-1
Product certifications	EAC

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	10...14 x In

[Ics] rated service breaking capacity	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
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
Comb busbar and distribution block compatibility	YES
9 mm pitches	3
Height	81 mm
Depth	73 mm
Width	27 mm
Net weight	0.205 kg
Colour	White
Mechanical durability	20000 cycles
Electrical durability	5000 cycles conforming to IEC 60947-2
Locking options description	Handle sealable with cable diameter 0.7mm in OFF or ON position
Connections - terminals	Tunnel type terminals1...50 mm ² rigid Tunnel type terminals1.5...35 mm ² flexible
Wire stripping length	15 mm
Tightening torque	3.5 N.m
Earth-leakage protection	Without

Environment

IP degree of protection	IP20 conforming to IEC 60529
Pollution degree	3 conforming to IEC 60947-2
Overvoltage category	IV
Tropicalisation	2 conforming to IEC 60068-1
Relative humidity	95 % at 55 °C
Operating altitude	2000 m
Ambient air temperature for operation	-30...60 °C
Ambient air temperature for storage	-40...70 °C

Packing Units

Unit Type of Package 1	PCE
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Number of Units in Package 1	1
Package 1 Height	7.500 cm
Package 1 Width	2.700 cm
Package 1 Length	8.500 cm
Package 1 Weight	192.000 g
Unit Type of Package 2	BB1
Number of Units in Package 2	12
Package 2 Height	8.500 cm
Package 2 Width	9.500 cm
Package 2 Length	33.000 cm
Package 2 Weight	2.374 kg
Unit Type of Package 3	S03
Number of Units in Package 3	72
Package 3 Height	30.000 cm
Package 3 Width	30.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	14.735 kg

Logistical informations

Country of origin	FR
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Contractual warranty

Warranty	18 months
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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	19
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	No
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant
SCIP Number	F3fcbd4f-b3e8-41f9-b910-8853888889fe
REACH Regulation	REACH Declaration
Halogen-free status	Product contains halogen above thresholds

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