

C120N - circuit breaker - 1P - 125A - C curve

A9N18359

Main

Range	Acti9	
product name	Acti9 C120	
Product or component type	Miniature circuit-breaker	
Device short name	C120N	
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	С	
Breaking capacity	3 kA Icu at 380415 V AC 50/60 Hz IT conforming to EN/IEC 60947-2 20 kA Icu at 130 V AC 50/60 Hz conforming to EN/IEC 60947-2 15 kA Icu at 12 V DC conforming to EN/IEC 60947-2 15 kA Icu at 125 V DC conforming to EN/IEC 60947-2 10 kA Icu at <= 144 V DC conforming to EN/IEC 60947-2 10 kA Icu at 220240 V AC 50/60 Hz conforming to EN/IEC 60947-2 20 kA Icu at 12 V AC 50/60 Hz conforming to EN/IEC 60947-2 10000 A Icn at 230400 V AC 50/60 Hz conforming to EN/IEC 60898-1	
Suitability for isolation	Yes conforming to IEC 60947-2	
Standards	EN/IEC 60898-1 EN/IEC 60947-2	
Product certifications	EAC	

Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	380415 V AC 50/60 Hz
	125 V DC
	<= 144 V DC
	12 V DC
	220240 V AC 50/60 Hz
	230400 V AC 50/60 Hz
	130 V AC 50/60 Hz
	12 V AC 50/60 Hz
Magnetic tripping limit	510 x ln

[Ics] rated service breaking capacity	15 kA 75 % conforming to EN/IEC 60947-2 - 130 V AC 50/60 Hz	
сарасну	15 kA 100 % conforming to EN/IEC 60947-2 - 125 V DC 2.25 kA 75 % conforming to EN/IEC 60947-2 - 380415 V AC 50/60 Hz	
	15 kA 100 % conforming to EN/IEC 60947-2 - 12 V DC	
	10 kA 100 % conforming to EN/IEC 60947-2 - <= 144 V DC 7.5 kA 75 % conforming to EN/IEC 60947-2 - 220240 V AC 50/60 Hz	
	15 kA 75 % conforming to EN/IEC 60947-2 - 12 V AC 50/60 Hz 7500 A 75 % conforming to EN/IEC 60898-1 - 230400 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	
Product 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 terminals150 mm² rigid Tunnel type terminals1.535 mm² 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	
	2 conforming to IEC 60068-1	
Relative humidity	95 % at 55 °C	
Operating altitude	2000 m	
Ambient air temperature for	-2570 °C	
operation Ambient air temperature for	-4085 °C	
storage		
Packing Units		

PCE

Unit Type of Package 1

Number of Units in Package 1	1
Package 1 Height	2.500 cm
Package 1 Width	7.500 cm
Package 1 Length	8.500 cm
Package 1 Weight	194.700 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	2.380 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	14.659 kg

Contractual warranty

Warranty 18 months



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		
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	24	
Environmental Disclosure	Product Environmental Profile	

Use Better

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 content performance	Product contains halogen above thresholds

Use Again

○ Repack and remanufacture	
Circularity Profile	No need of specific recycling operations
Take-back	No
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins