Product datasheet

Specifications





Miniature circuit breaker (MCB), Acti9 C120N, 1P, 63A, B curve, 10000A (IEC/EN 60898-1), 10kA (IEC/EN 60947-2)

A9N18340

() Discontinued

() Discontinued on: 1 Nov 2020

Main

Mann		
Range Of Product	C120	
Range	Acti9	
Product Name	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	63 A at 30 °C	
Network Type	AC	
Trip Unit Technology	Thermal-magnetic	
Curve Code	В	
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	

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

3...5 x In

[Ics] Rated Service Breaking Capacity	15 kA 75 % conforming to EN/IEC 60947-2 - 130 V AC 50/60 Hz 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 60988-1 - 230400 V AC 50/60 Hz
Limitation Class	1 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	10000 cycles conforming to IEC 60947-2
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

Standards	EN/IEC 60947-2 EN/IEC 60898-1	
Product Certifications	EAC	
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	g Altitude 2000 m	
Ambient Air Temperature For Operation	ure For -2570 °C	
Ambient Air Temperature For Storage	-4085 °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	6.8 cm
Package 1 Length	8.6 cm
Package 1 Weight	187.0 g
Unit Type Of Package 2	BB1
Number Of Units In Package 2	12
Package 2 Height	8.6 cm
Package 2 Width	9.3 cm
Package 2 Length	33.3 cm
Package 2 Weight	2.32 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	14.407 kg

Contractual warranty

Warranty

18 months

Sustainability Screen

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ 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