Product datasheet

Specifications





Miniature circuit breaker (MCB), Acti9 C120N, 3P, 80A, B curve, 10000A (IEC/EN 60898-1), 10kA (IEC/EN 60947-2)

A9N18349

() Discontinued

EAN Code: 3606480379239

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	3P
Number Of Protected Poles 3	
[In] Rated Current	80 A at 30 °C
Network Type	AC
Trip Unit Technology	Thermal-magnetic
Curve Code B	
Breaking Capacity	10000 A lcn at 230400 V AC 50/60 Hz conforming to EN/IEC 60898-1 6 kA lcu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 20 kA lcu at 220240 V AC 50/60 Hz conforming to EN/IEC 60947-2 10 kA lcu at 380415 V AC 50/60 Hz conforming to EN/IEC 60947-2 10 kA lcu at <= 375 V DC 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	<= 375 V DC 380415 V AC 50/60 Hz 220240 V AC 50/60 Hz 440 V AC 50/60 Hz 230400 V AC 50/60 Hz
Magnetic Tripping Limit	35 x In
[Ics] Rated Service Breaking Capacity	7500 A 75 % conforming to EN/IEC 60898-1 - 230400 V AC 50/60 Hz 4.5 kA 75 % conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz 7.5 kA 75 % conforming to EN/IEC 60947-2 - 380415 V AC 50/60 Hz 15 kA 75 % conforming to EN/IEC 60947-2 - 220240 V AC 50/60 Hz 10 kA 100 % conforming to EN/IEC 60947-2 - <= 375 V DC
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	9	
Height	81 mm	
Depth	73 mm	
Width	81 mm	
Net Weight	0.615 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	Separate block	

Environment

Standards	EN/IEC 60898-1 EN/IEC 60947-2
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	2000 m
Ambient Air Temperature For Operation	-2570 °C
Ambient Air Temperature For Storage	-4085 °C

Packing Units

0	
Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	8.000 cm
Package 1 Width	7.500 cm
Package 1 Length	8.500 cm
Package 1 Weight	580.000 g
Unit Type Of Package 2	BB1
Number Of Units In Package 2	4

Package 2 Height	8.500 cm
Package 2 Width	9.500 cm
Package 2 Length	33.500 cm
Package 2 Weight	2.388 kg
Unit Type Of Package 3	\$03
Number Of Units In Package 3	24
Package 3 Height	30.000 cm
Package 3 Width	30.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	14.732 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