Product datasheet
Characteristics

A9N18448
C120H - circuit breaker - 1P - 125A - C curve



Main

Range of product	C120
Range	Acti 9
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 code	H
Breaking capacity	30 kA Icu conforming to EN/IEC 60947-2 - 130 V AC 50/60 Hz 20 kA Icu conforming to EN/IEC 60947-2 - 12 V DC 20 kA Icu conforming to EN/IEC 60947-2 - 125 V DC 15 kA Icu conforming to EN/IEC 60947-2 - <= 144 V DC 15 kA Icu conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 15000 A Icn conforming to EN/IEC 60898-1 - 230...400 V AC 50/60 Hz 4.5 kA Icu conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz IT 30 kA Icu conforming to EN/IEC 60947-2 - 12 V AC 50/60 Hz
Suitability for isolation	Yes conforming to IEC 60947-2

Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	<= 144 V DC 12 V AC 50/60 Hz 12 V DC 125 V DC 220...240 V AC 50/60 Hz 380...415 V AC 50/60 Hz 130 V AC 50/60 Hz 230...400 V AC 50/60 Hz

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Magnetic tripping limit	5...10 x In
[Ics] rated service breaking capacity	15 kA at 50 % of breaking cap. conforming to EN/IEC 60947-2 - 130 V AC 50/60 Hz 7.5 kA at 50 % of breaking cap. conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 2.25 kA at 50 % of breaking cap. conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz 20 kA at 100 % of breaking cap. conforming to EN/IEC 60947-2 - 12 V DC 15 kA at 50 % of breaking cap. conforming to EN/IEC 60947-2 - 12 V AC 50/60 Hz 7500 A at 50 % of breaking cap. conforming to EN/IEC 60898-1 - 230...400 V AC 50/60 Hz 15 kA at 100 % of breaking cap. conforming to EN/IEC 60947-2 - <= 144 V DC 20 kA at 100 % of breaking cap. conforming to EN/IEC 60947-2 - 125 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	NO
Connection pitch	27 mm : Between devices
9 mm pitches	3
Height	81 mm
Width	27 mm
Depth	73 mm
Product weight	0.205 kg
Colour	White
Mechanical durability	20000 cycles
Electrical durability	5000 cycles conforming to IEC 60947-2
Connections - terminals	Tunnel type terminals 1.5...35 mm² flexible Tunnel type terminals 1...50 mm² rigid
Wire stripping length	15 mm
Tightening torque	3.5 N.m
Earth-leakage protection	Without
Compatibility code	C120
Market segment	Small commercial Residential

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 % 55 °C
Operating altitude	2000 m
Ambient air temperature for operation	-30...60 °C
Ambient air temperature for storage	-40...70 °C

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0627 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold

	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations

Contractual warranty

Warranty period	18 months