



Main

Range of product	C120
Range	Acti 9
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	80 A at 30 °C
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	20 kA Icu conforming to EN/IEC 60947-2 - 130 V AC 50/60 Hz 15 kA Icu conforming to EN/IEC 60947-2 - 12 V DC 15 kA Icu conforming to EN/IEC 60947-2 - 125 V DC 3 kA Icu conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz IT 10 kA Icu conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 10 kA Icu conforming to EN/IEC 60947-2 - <= 144 V DC 20 kA Icu conforming to EN/IEC 60947-2 - 12 V AC 50/60 Hz 10000 A Icn conforming to EN/IEC 60898-1 - 230...400 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
Magnetic tripping limit	5...10 x In
[Ics] rated service breaking capacity	15 kA at 75 % of breaking cap. conforming to EN/IEC 60947-2 - 130 V AC 50/60 Hz 15 kA at 100 % of breaking cap. conforming to EN/IEC 60947-2 - 125 V DC 2.25 kA at 75 % of breaking cap. conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz

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15 kA at 100 % of breaking cap. conforming to EN/IEC 60947-2 - 12 V DC
 10 kA at 100 % of breaking cap. conforming to EN/IEC 60947-2 - ≤ 144 V DC
 7.5 kA at 75 % of breaking cap. conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz
 15 kA at 75 % of breaking cap. conforming to EN/IEC 60947-2 - 12 V AC 50/60 Hz
 7500 A at 75 % of breaking cap. conforming to EN/IEC 60898-1 - 230...400 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
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 mm ² flexible Tunnel type terminals 1...50 mm ² rigid
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 % 55 °C
Operating altitude	2000 m
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C

Offer Sustainability

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

Contractual warranty

Warranty period	18 months 12 months
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