



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	3P
Number of protected poles	3
[In] rated current	80 A at 86 °F (30 °C)
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	D
Breaking capacity	10 kA Icu conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz 15 kA Icu conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz 30 kA Icu conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 15 kA Icu conforming to EN/IEC 60947-2 - <= 375 V DC 15000 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
System Voltage	220...240 V AC 50/60 Hz 380...415 V AC 50/60 Hz 440 V AC 50/60 Hz 230...400 V AC 50/60 Hz <= 375 V DC
Magnetic tripping limit	10...14 x In
[Ics] rated service breaking capacity	5 kA at 50 % of breaking cap. conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz 15 kA at 50 % of breaking cap. conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 7.5 kA at 50 % of breaking cap. conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz 15 kA at 100 % of breaking cap. conforming to EN/IEC 60947-2 - <= 375 V DC 7500 A at 50 % 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	9
Height	3.19 in (81 mm)
Width	3.19 in (81 mm)

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Depth	2.87 in (73 mm)
Product weight	1.36 lb(US) (0.615 kg)
Colour	White
Mechanical durability	20000 cycles
Electrical durability	5000 cycles conforming to IEC 60947-2
Connections - terminals	Tunnel type terminals 0...0.08 in ² (1...50 mm ²) rigid Tunnel type terminals 1.5...35 mm ² flexible
Wire stripping length	0.59 in (15 mm)
Tightening torque	30.97 lbf.in (3.5 N.m)
Earth-leakage protection	Separate block

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 % 131 °F (55 °C)
operating altitude	6561.68 ft (2000 m)
ambient air temperature for operation	-22...140 °F (-30...60 °C)
ambient air temperature for storage	-40...158 °F (-40...70 °C)

Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 0627 - Schneider Electric declaration of conformity	Compliant - since 0627 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Need no specific recycling operations	Need no specific recycling operations