



Main

Range of product	Acti9
Range	Acti9
Product name	C120
Product or component type	Miniature circuit-breaker
Device short name	C120L
Poles description	1P
Device application	Distribution
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	30 KA Icu at 130 V AC 50/60 Hz conforming to IEC 60947-2 15 KA Icu at 230...240 V AC 50/60 Hz conforming to IEC 60947-2 4.5 KA Icu at 400...415 V AC 50/60 Hz conforming to IEC 60947-2 15 KA Icn at 230 V AC 50/60 Hz conforming to IEC 60898-1
Suitability for isolation	Yes conforming to IEC 60947-2

Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	230 V AC 50/60 Hz
Magnetic tripping limit	5...10 x In
Limitation class	3 conforming to IEC 60898-1
[Ui] rated insulation voltage	500 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947-2
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON/OFF indication
Mounting mode	Clip-on
Mounting support	DIN rail
9 mm pitches	3
Height	86 mm
Depth	73 mm
Net weight	205 g
Mechanical durability	20000 cycles
Electrical durability	5000 cycles
Connections - terminals	Tunnel type terminals top or bottom 1...50 mm ² rigid without cable end Tunnel type terminals top or bottom 1.5...35 mm ² flexible with or without cable end
Wire stripping length	Power circuit: 14 mm
Tightening torque	Power circuit: 3.5 N.m
Earth-leakage protection	Separate block

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Environment

Standards	GB 10963.1 IEC 60898-1
Product certifications	CE[RETURN]CCC
IP degree of protection	IP20 conforming to IEC 60529
Pollution degree	3 conforming to IEC 60947-2
Ambient air temperature for operation	-30...70 °C
Ambient air temperature for storage	-40...80 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.3 cm
Package 1 Width	2.7 cm
Package 1 Length	8.5 cm
Package 1 Weight	201.0 g
Unit Type of Package 2	BB1
Number of Units in Package 2	12
Package 2 Height	9.5 cm
Package 2 Width	34.8 cm
Package 2 Length	8.7 cm
Package 2 Weight	2.504 kg
Unit Type of Package 3	CAR
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	15.602 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information