



Main

Range of product	C120
Range	Multi 9
Product name	C120
Product or component type	Miniature circuit-breaker
Device short name	C120H
Device application	Distribution
Poles description	2P
Number of protected poles	2
Neutral position	Left
[In] rated current	80 A at 30 °C
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	D
Breaking capacity	15000 A Icn at 230...400 V AC 50/60 Hz conforming to IEC 60898-1 10 kA Icu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 15 kA Icu at 400...415 V AC 50/60 Hz conforming to EN/IEC 60947-2 30 kA Icu at 230...400 V AC 50/60 Hz conforming to EN/IEC 60947-2 15 kA Icu at <= 250 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	440 V AC 50/60 Hz 230...400 V AC 50/60 Hz 400...415 V AC 50/60 Hz <= 250 V DC
Magnetic tripping limit	10...14 x In
[Ics] rated service breaking capacity	7500 A 50 % conforming to IEC 60898-1 - 230...400 V AC 50/60 Hz 5 kA 50 % conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz 15 kA 50 % conforming to EN/IEC 60947-2 - 230...400 V AC 50/60 Hz 7.5 kA 50 % conforming to EN/IEC 60947-2 - 400...415 V AC 50/60 Hz 15 kA 100 % conforming to EN/IEC 60947-2 - 250 V DC
Limitation class	3 conforming to IEC 60898-1
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	6
Height	81 mm
Width	54 mm
Depth	73 mm
Net weight	0.41 kg
Mechanical durability	20000 cycles
Electrical durability	5000 cycles conforming to IEC 60947-2
Connections - terminals	Tunnel type terminals1...50 mm ² rigid Tunnel type terminals1.5...35 mm ² flexible
Wire stripping length	15 mm
Tightening torque	3.5 N.m
Earth-leakage protection	Separate block

Environment

Standards	IEC 60898-1 EN/IEC 60947-2
Product certifications	GOST
Quality labels	NF
IP degree of protection	IP20 conforming to IEC 60529
Pollution degree	3 conforming to IEC 60947-2
Tropicalisation	2 conforming to IEC 60068-1
Relative humidity	95 % at 55 °C
Operating altitude	2000 m
Ambient air temperature for operation	-30...60 °C
Ambient air temperature for storage	-40...70 °C

Contractual warranty

Warranty	18 months
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