Product data sheet
Characteristics

18489
C120 - circuit breaker - C120H - 1P - 63A - D curve

Main

Circuit breaker application	Distribution
Range of product	C120
Product or component type	Circuit breaker
Device short name	C120H
Poles description	1P
Number of protected poles	1
[In] rated current	63 A at 30 °C
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	D
Breaking capacity	15 kA Icu conforming to EN/IEC 60947-2 - <= 144 V DC 20 kA Icu conforming to EN/IEC 60947-2 - 125 V DC 20 kA Icu conforming to EN/IEC 60947-2 - 12 V DC 4.5 kA Icu conforming to EN/IEC 60947-2 - 400...415 V AC 50/60 Hz IT 15 kA Icu conforming to EN/IEC 60947-2 - 230...400 V AC 50/60 Hz 30 kA Icu conforming to EN/IEC 60947-2 - 130 V AC 50/60 Hz 15000 A Icn conforming to 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
Magnetic tripping limit	10...14 x In
[Ics] rated service breaking capacity	15 kA 100 % x Icu conforming to EN/IEC 60947-2 - 125 V DC 15 kA 100 % x Icu conforming to EN/IEC 60947-2 - 24/48 V DC 2.25 kA 50 % x Icu conforming to EN/IEC 60947-2 - 400...415 V AC 50/60 Hz 7.5 kA 50 % x Icu conforming to EN/IEC 60947-2 - 230...400 V AC 50/60 Hz 15 kA 50 % x Icu conforming to EN/IEC 60947-2 - 130 V AC 50/60 Hz 7500 A 50 % x Icu conforming to IEC 60898-1 - 230...400 V AC 50/60 Hz
Limitation class	3 conforming to IEC 60898-1
[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 distribution block compatibility	YES
9 mm pitches	3
Height	81 mm
Width	27 mm
Depth	73 mm
Product weight	0.205 kg
Mechanical durability	20000 cycles
Electrical durability	10000 cycles conforming to IEC 60947-2

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Connections - terminals	Tunnel type terminals flexible wire(s) 1.5...35 mm² max Tunnel type terminals rigid wire(s) 1...50 mm² max
Wire stripping length	15 mm
Tightening torque	3.5 N.m
Earth-leakage protection	Without

Environment

Standards	EN/IEC 60947-2 IEC 60898-1
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 % 55 °C
Operating altitude	2000 m
Ambient air temperature for operation	-30...60 °C
Ambient air temperature for storage	-40...70 °C

Contractual warranty

Period	18 months