

Product datasheet

Specifications



M9 CT Contactor - 25A - 1P - 1NO - Uc 48V AC 50Hz

M9C20231

Main

Range	M9
Product name	M9 CT
Product or component type	Contactor
Device short name	CT
Device application	Motor - heating - lighting
Poles description	1P
[Ie] rated operational current	25A AC-7a 8.5A AC-7b
Pole contact composition	1 NO
Network type	AC
Control type	Remote control
[Uc] control circuit voltage	48V AC 50Hz
Standards	IEC/EN 61095 IEC/EN 60947-4-1
Product certifications	CE

Complementary

Network frequency	50 Hz
[Ue] rated operational voltage	250V AC 50Hz
Heat dissipation	1.2 W at 250V AC
[Ui] rated insulation voltage	500 V AC 50 Hz conforming to EN/IEC 60947-2
[Uimp] rated impulse withstand voltage	4 kV
Control signal type	Maintained
Switching frequency	6 switching operations/minute
Local signalling	Action indicator
Hold-in power consumption in VA	2.8 VA
Inrush power in VA	11.5 VA

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Mounting mode	Clip-on
Mounting support	35 mm symmetrical DIN rail
9 mm pitches	2
Height	81 mm
Width	18 mm
Depth	68 mm
Product weight	120 g
Color	Grey
Mechanical durability	1,000,000 cycles
Electrical durability	100,000 cycles IEC/EN 61095 25A 50Hz AC-7a 30,000 cycles IEC/EN 61095 8.5A 50Hz AC-7b, AC-7c 100,000 cycles IEC/EN 60947-4-1 50 Hz AC-1 30,000 cycles IEC/EN 60947-4-1 50 Hz AC-3, AC-5a, AC-5b
Connections - terminals	Control circuit: • Tunnel type terminals 1.5 to 2.5 mm² copper cable - rigid, flexible, flexible with ferrule • Tunnel type terminals two 1.5 mm² copper cables - rigid, flexible, flexible with ferrule Power circuit: • Tunnel type terminals 1.5 to 6 mm² copper cable - rigid • Tunnel type terminals 1 to 4 mm² copper cable - flexible or with ferrule
Wire stripping length	Control circuit: 10 mm Power circuit: 10 mm
Tightening torque	Control circuit: 0.8 N.m Power circuit: 0.8 N.m
Product compatibility	ACTs
Compatibility code	CT
Market segment	Small commercial Residential

Environment

Noise level	30 dB
IP degree of protection	IP20 conforming to IEC 60529 IP40 (modular enclosure) conforming to IEC 60529
Pollution degree	2 conforming to IEC/EN 60947-2
Electromagnetic compatibility	8/20 µs impulse withstand, 250 A
Tropicalization	2 conforming to IEC/EN 60947-4-1 2 conforming to IEC/EN 61095
Relative humidity	95% at 55 °C
Operating altitude	2000 m
Ambient air temperature for operation	-5...60 °C
Ambient air temperature for storage	-40...70 °C

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Order and shipping

Unit type of package 1	SA8
Number of units in package 1	1
Package 1 height	8.5 cm
Package 1 width	2 cm
Package 1 length	9.5 cm
Package 1 weight	135 g
Unit type of package 2	S02b
Number of units in package 2	120
Package 2 height	20 cm
Package 2 width	32 cm
Package 2 length	40 cm
Package 2 weight	17.2 kg

Contractual warranty

24 months