

# Product datasheet

Specifications



M9 CT Contactor - 16A - 1P  
- 1NO - U<sub>c</sub> 220...240V AC  
50 Hz

M9C20811

## Main

Range	M9
Product name	M9 CT
Product or component type	Contactor
Device short name	CT
Device application	Motor - heating - lighting
Poles description	1P
[I <sub>e</sub> ] rated operational current	16A AC-7a 5A AC-7b
Pole contact composition	1 NO
Network type	AC
Control type	Remote control
[U <sub>c</sub> ] control circuit voltage	220...240V AC 50Hz
Standards	IEC/EN 61095 IEC/EN 60947-4-1
Product certifications	CE

## Complementary

Network frequency	50 Hz
[U <sub>e</sub> ] rated operational voltage	250V AC 50Hz
Heat dissipation	1.2 W at 250V AC
[U <sub>i</sub> ] rated insulation voltage	500 V AC 50 Hz conforming to EN/IEC 60947-2
[U <sub>imp</sub> ] rated impulse withstand voltage	2.5 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 16A 50Hz AC-7a 30,000 cycles IEC/EN 61095 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	<b>Control circuit:</b> <ul style="list-style-type: none"><li>• Tunnel type terminals 1.5 to 2.5 mm<sup>2</sup> copper cable - rigid, flexible, flexible with ferrule</li><li>• Tunnel type terminals two 1.5 mm<sup>2</sup> copper cables - rigid, flexible, flexible with ferrule</li></ul> <b>Power circuit:</b> <ul style="list-style-type: none"><li>• Tunnel type terminals 1.5 to 6 mm<sup>2</sup> copper cable - rigid</li><li>• Tunnel type terminals 1 to 4 mm<sup>2</sup> copper cable - flexible or with ferrule</li></ul>
Wire stripping length	<b>Control circuit:</b> 10 mm <b>Power circuit:</b> 10 mm
Tightening torque	<b>Control circuit:</b> 0.8 N.m <b>Power circuit:</b> 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 $\mu$ s 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

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GTIN	6267377101288
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

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24 months