

Product datasheet

Specifications



M9C30211

M9 - TL - Impulse relay -
1P - 16A - U_c 48 VAC /
24V DC - 1NO

Main

Range	M9
Product name	M9 TL
Product or component type	Impulse relay
Device short name	TL
Device application	Standard
Poles	1P
Pole contact composition	1 NO
[In] rated current	16 A
Network type	AC
[U _c] control circuit voltage	48 V AC 50/60 Hz 24 V DC
Operating threshold	Min. 85% of U _n in conformance with IEC/EN 60669-2-2
Standards	IEC 60669-2-2 IEC 60669-1

Complementary

Network frequency	50/60 Hz
[U _e] rated operational voltage	24...250 V AC 50/60 Hz
[U _i] rated insulation voltage	440 V AC
[U _{imp}] rated impulse withstand voltage	6 kV
Control type	Remote and manual control Coil disconnection
Control signal type	Impulse
Switching frequency	100 switching operations/day 5 switching operations/minute
Impulse duration	50 ms...1 s
Remote control type	Illuminated push-button 3 mA
Local signalling	ON/OFF indication
Mounting mode	DIN rail
Mounting support	35 mm symmetrical DIN rail
9 mm pitches	2

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Height	84 mm
Width	18 mm
Depth	69 mm
Product weight	94 g
Color	Grey
Electrical durability	AC-21: 200,000 cycles AC-22: 100,000 cycles
Connections - terminals	Control circuit: Tunnel type terminals 1 cable 0.5...4 mm ² - rigid Tunnel type terminals 1 cable 1.5...4 mm ² - flexible or with ferrule Power circuit: Tunnel type terminals 1 cable 1.5...4 mm ² - rigid Tunnel type terminals 1 cable 1.5...4 mm ² - flexible or with ferrule
Wire stripping length	11 mm
Tightening torque	1 N.m

Environment

Noise level	60 dB
IP degree of protection	IP20 conforming to IEC 60529 IP40 (modular enclosure) conforming to IEC 60529
Pollution degree	3 conforming to IEC/EN 60947-2
Overvoltage category	IV
Tropicalization	2 conforming to IEC 60068-1
Relative humidity	95% at 55 °C
Ambient air temperature for operation	-5...60 °C
Ambient air temperature for storage	-30...70 °C

Packing Units

Unit type of package 1	BB1
Number of units in package 1	12
Package 1 height	7.8 cm
Package 1 width	8.7 cm
Package 1 length	22 cm
Package 1 weight	1.25 kg
Unit type of package 2	GB1
Number of units in package 2	120
Package 2 height	31.5 cm
Package 2 width	26.5 cm
Package 2 length	28 cm
Package 2 weight	12.98 kg

Contractual warranty

Guarantee	18 months
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