



Contact characteristics

Contact configuration	2 C/O		
Rated insulation voltage U_i IEC/EN	V		250
Rated impulse withstand voltage U_{imp}	kV		6
IEC Conventional free air thermal current $I_{th} \leq 40^\circ\text{C}$	A		8
Maximum instantaneous current	A		20
Rated current (I_n)	A		8
Max contrrollable power in	AC-1	W	2000
	AC-15	VA	150
Rated operating power AC-1		VA	2000
Rated operating power AC-15	230 VAC	VA	150
Single-phase motor control	230VAC	kW	0.2
Rated operating current DC-1	30V	A	8
	110V	A	0.3
	220V	A	0.1
Minimum switching load	V / mA		5 / 100
Contact impedance	mΩ		100
Contact material	AgSnO2		

Operating times

Closing	ms		10
Opening	ms		5

Operations

Mechanical life	cycles		10000000
Electrical life AC1	cycles		50000

Coil characteristics

Relay control voltage	V		48VDC
Average coil consumption AC at 20°C	VA		0.9
Average coil consumption DC at 20°C	W		0.45

Operating range

	Closing	% U_n	75...110
	Opening	% U_n	10...30
Maximum cycle frequency		cycles/h	3600

Mechanical features

Max socket terminal tightening torque	Nm		0.6
Socket screw tightening tool (cross / flat blade)	PH1 / 4.5mm		
Conductor section			
	AWG/Kcmil		
	min		20
	max		14
IEC			

	min	mm ²	0.5
	max	mm ²	2.5

Operating position	normal	Any
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Fixing		On 35mm DIN rail and with screw
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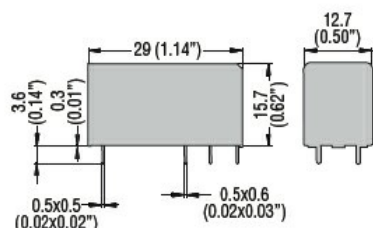
Ambient conditions

Temperature	Operating temperature	min	°C	-40
		max	°C	+85
	Storage temperature	min	°C	-40
		max	°C	+85

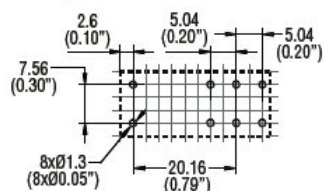
Other features

Indication	No
Mechanical contact position indicator	No
Mechanical test actuator	No

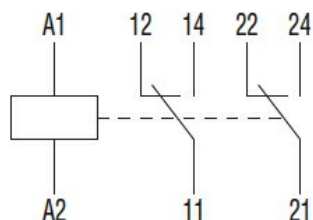
Dimensions



PCB layout



Wiring diagrams



Certifications and compliance

Compliance	IEC/EN 61810
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Certificates	CSA
	cURus
	EAC
	VDE

ETIM classification

ETIM 8.0

EC002055 -
Solid state relay