



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
			230 VAC VA 150
Rated operating power AC-15			230 VAC VA 150
			230VAC kW 0.2
Single-phase motor control			30V A 8
			110V A 0.3
			220V A 0.1
Rated operating current DC-1			V / mA 5 / 100
			m Ω 100
Minimum switching load	V / mA 5 / 100		
Contact impedance	m Ω 100		
Contact material	AgSnO ₂		

Operating times

Closing	ms	10
Opening	ms	5

Operations

Mechanical life	cycles	10000000
Electrical life AC1	cycles	50000

Coil characteristics

Relay control voltage	V	24VDC
Average coil consumption AC at 20°C	VA	0.9
Average coil consumption DC at 20°C	W	0.45

Operating range

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
Fixing			On 35mm DIN rail and with screw

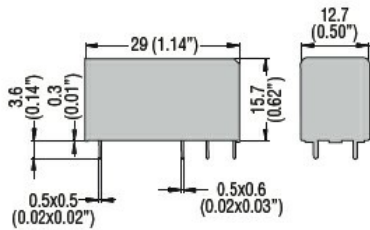
Ambient conditions

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

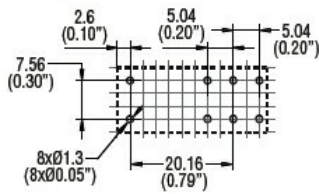
Other features

Indication	No
Mechanical contact position indicator	No
Mechanical test actuator	No

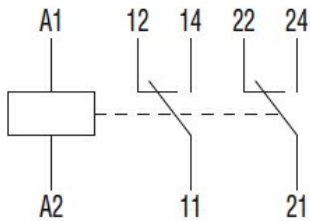
Dimensions



PCB layout



Wiring diagrams



Certifications and compliance

Compliance	IEC/EN 61810
Certificates	CSA
	cURus
	EAC
	VDE

ETIM classification

ETIM 8.0

EC001437 -
Switching relay