



Contact characteristics

Contact configuration	1 C/O		
Rated insulation voltage U_i IEC/EN	V		250
Rated impulse withstand voltage U_{imp}	kV		4
IEC Conventional free air thermal current $I_{th} \leq 40^\circ\text{C}$	A		16
Maximum instantaneous current	A		60
Rated current (I_n)	A		16
Max contrrollable power in	AC-1	W	3840
	AC-15	VA	150
Rated operating power AC-1		VA	4000
Rated operating power AC-15	230 VAC	VA	500
Single-phase motor control	230VAC	kW	0.37
Rated operating current DC-1	30V	A	10
	110V	A	0.3
	220V	A	0.12
Minimum switching load	V / mA		5 / 100
Contact impedance	m Ω		100
Contact material	AgSnO ₂		

Operating times

Closing	ms	<15
Opening	ms	<5

Operations

Mechanical life	cycles	10000000
Electrical life AC1	cycles	100000

Coil characteristics

Relay control voltage	V	12VDC
Average coil consumption DC at 20°C	W	0.7

Operating range

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

Mechanical features

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

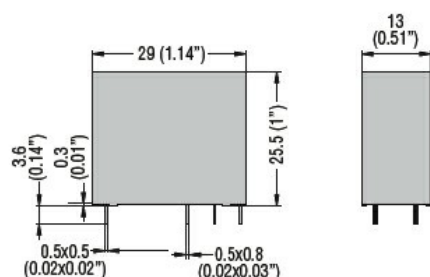
Ambient conditions

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

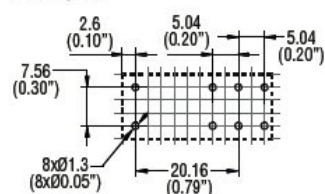
Other features

Indication	No
Mechanical contact position indicator	No
Mechanical test actuator	No

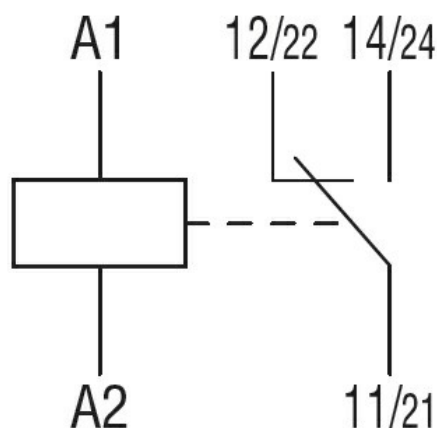
Dimensions



PCB layout



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 61810

Certificates

cURus

ETIM classification

ETIM 8.0

EC001437 –
Switching relay