



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		6
Maximum instantaneous current	A		20 (500ms)
Rated current (I_n)	A		6
UL/CSA and IEC/EN 60947-5-1 designation	B300 – R300		
UL rating	6A 277VAC; 6A 30VDC		
Max contrrollable power in	AC-1	W	1500
	AC-15	VA	360
Rated operating power AC-1		VA	1500
Rated operating power AC-15	230 VAC	VA	360
Single-phase motor control	230VAC	kW	0.186
Rated operating current DC-1	30V	A	6
	110V	A	0.2
	220V	A	0.12

Minimum switching load	V / mA		5 / 100
Contact impedance	mΩ		100
Contact material	Ag/Ni		

Operating times

Closing	ms		≤8
Opening	ms		≤4

Operations

Mechanical life	cycles		10000000
Electrical life AC1	cycles		30000

Coil characteristics

Relay control voltage	V		24VDC; 24VAC/DC
Average coil consumption DC at 20°C	W		0.2
Operating range	Closing	% U_n	≥75
	Opening	% U_n	≥5
Maximum cycle frequency		cycles/h	10000

Mechanical features

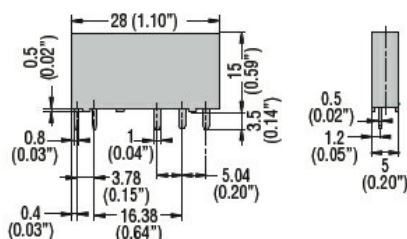
Max socket terminal tightening torque	Nm		0.5
Socket screw tightening tool (cross / flat blade)	PH0 / 3.5mm		
Conductor section	AWG/Kcmil		

		min	20
		max	16
	IEC		
		min	mm ² 0.5
		max	mm ² 1.5
Operating position			
		normal	Any
Fixing			On 35mm DIN rail
Ambient conditions			
Temperature			
	Operating temperature		
		min	°C -40
		max	°C +70
	Storage temperature		
		min	°C -40
		max	°C +80

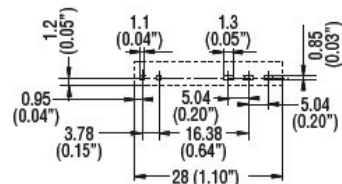
Other features

Indication	Yes (on the socket)
Mechanical contact position indicator	No
Mechanical test actuator	No

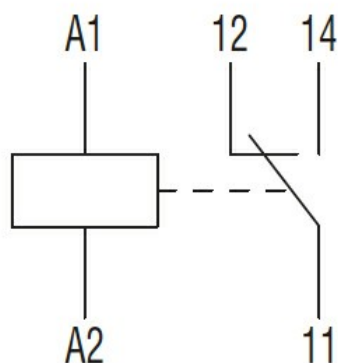
Dimensions



PCB layout



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 61810

Certificates

CSA

cURus

EAC

VDE

ETIM classification

ETIM 8.0

EC001437 -
Switching relay