



Contact characteristics

Contact configuration	1 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		16
Maximum instantaneous current	A		25
Rated current (I_n)	A		16
Max contrrollable power in	AC-1	W	4000
	AC-15	VA	150
Rated operating power AC-1		VA	4000
Rated operating power AC-15	230 VAC	VA	360
Single-phase motor control	230VAC	kW	0,75
Rated operating current DC-1	30V	A	12
	110V	A	0,5
	220V	A	0,3
Minimum switching load	V / mA		5 / 100
Contact impedance	mΩ		100
Contact material	Ag/SnO2		

Operating times

Closing	ms		<15
Opening	ms		<20 (AC) / < 10 (DC)

Operations

Mechanical life	cycles		30000000
Electrical life AC1	cycles		100000

Coil characteristics

Relay control voltage	V		110VDC
Average coil consumption AC at 20°C	VA		0,9
Average coil consumption DC at 20°C	W		0,53
Operating range	Closing	% U_n	80...110
	Opening	% U_n	10...30

Maximum cycle frequency	cycles/h		1200
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Mechanical features

Max socket terminal tightening torque	Nm		1
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

Ambient conditions

Temperature

Operating temperature

min	°C	-40
max	°C	+70

Storage temperature

min	°C	-40
max	°C	+85

Other features

Indication

Yes

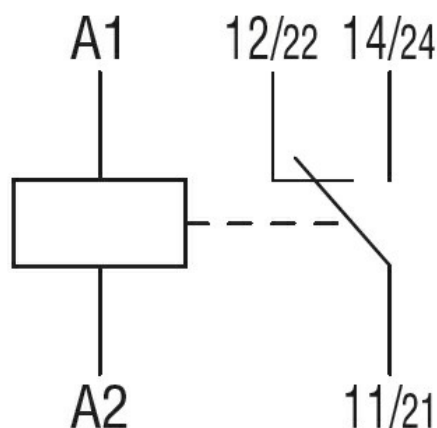
Mechanical contact position indicator

Yes

Mechanical test actuator

Yes

Wiring diagrams



Certifications and compliance

Compliance

IEC/EN/BS 61810-1

Certificates

cURus
TUV

ETIM classification

ETIM 8.0

EC001437 -
Switching relay