



Product designation			Assembled miniature relays
Product type designation			HR502C
Contact characteristics			
Contact configuration			2 C/O
Rated insulation voltage Ui IEC/EN		V	250
Rated impulse withstand voltage Uimp		kV	6
IEC Conventional free air thermal current Ith		A	8
Maximum instantaneous current		A	10
Rated current (In)		A	8
Relay control voltage		V	24VAC
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
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		Ag/Ni	
Operating times			
Closing		ms	<15
Opening		ms	<15
Operations			
Mechanical life		cycles	10000000
Electrical life AC1		cycles	50000
Coil characteristics			
Average coil consumption AC at 20°C		VA	1
Average coil consumption DC at 20°C		W	0.4
Operating range		Closing	% Un 70...110
		Opening	% Un 20...55
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	+70

Storage temperature

min	°C	-40
max	°C	+85

Other features

Indication

Yes

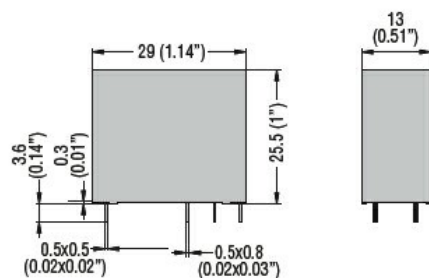
Mechanical contact position indicator

Yes

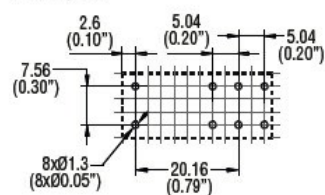
Mechanical test actuator

Yes

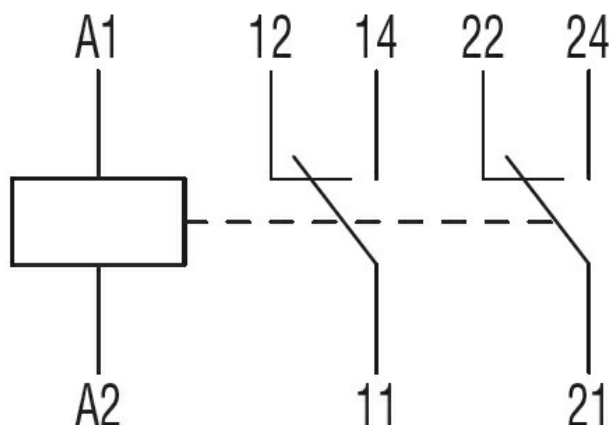
Dimensions



PCB layout



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 61810

ETIM classification

ETIM 8.0

EC001437 -
Switching relay