



Product designation	MINIATURE RELAYS					
Product type designation	HR502C					
Contact characteristics						
Contact configuration						
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}	A	8				
Maximum instantaneous current	A	10				
Rated current (I_n)	A	8				
Relay control voltage	V	110VDC				
Max contrallable 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	75...110			
	Opening	% Un	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	+70

Storage temperature

min	°C	-40
max	°C	+85

Other features

Indication

Yes

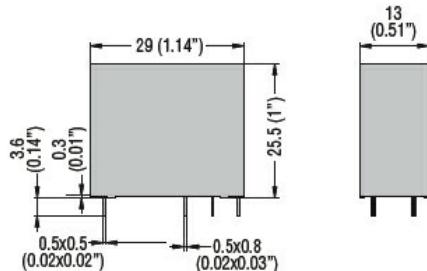
Mechanical contact position indicator

Yes

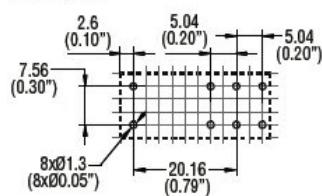
Mechanical test actuator

Yes

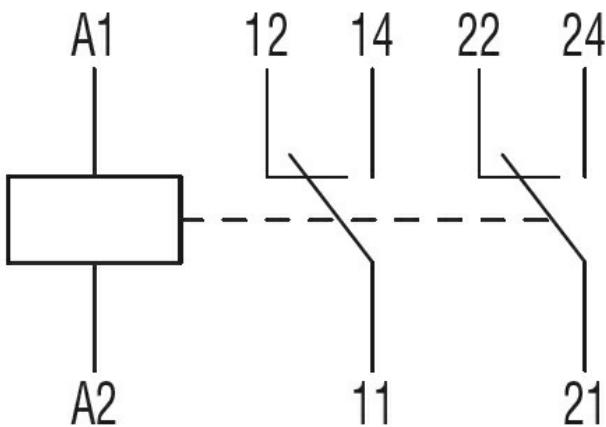
Dimensions



PCB layout



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 61810

Certificates

CSA

cURus

EAC

VDE

ETIM classification

ETIM 8.0

EC001437 -
Switching relay