



HR502CD110

Miniature relay with LED state indicator and mechanical actuator, 110VDC, 8A, 2C/O contact. Fitting on socket HR5XS2...



MINIATURE

RELAYS

HR502C

Product designation

Product type designation

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	110VDC
Max contrallable power in		

AC-1	W	2000
AC-15	VA	150

Rated operating power AC-1	VA	2000
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Rated operating power AC-15	230 VAC	VA	150
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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	20000

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
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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	

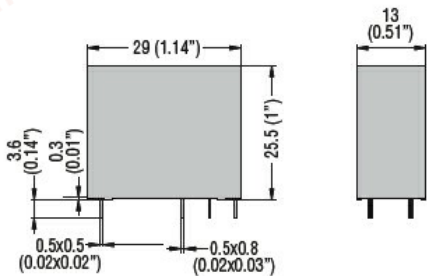
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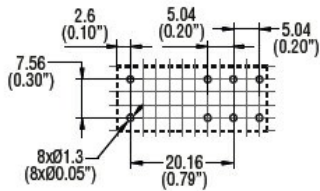
IEC		min	mm ²	0.5
		max	mm ²	2.5
Operating position		normal		Any
Fixing				On 35mm DIN rail and with screw
Ambient conditions				
Temperature				
Operating temperature		min	°C	-40
		max	°C	+70
Storage temperature		min	°C	-40
		max	°C	+85

Other features			
Indication			Yes
Mechanical contact position indicator			Yes
Mechanical test actuator			Yes

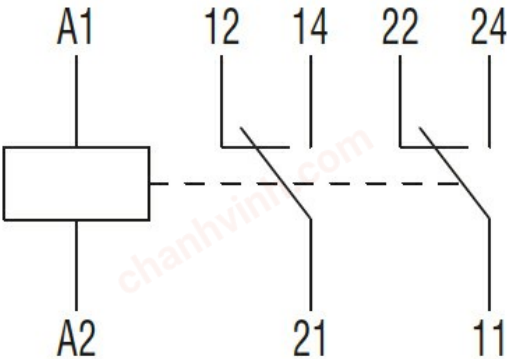
Dimensions



PCB layout



Wiring diagrams



Certifications and compliance

Compliance	
IEC/EN 61810	



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Certificates

- CSA
- cURus
- EAC
- VDE

ETIM classification

ETIM 8.0

EC001437 - Switching relay