

Product designation



MINIATURE RELAYS HR502C

Froduct designation			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		А	8
Maximum instantaneous current		А	10
Rated current (In)		А	8
Relay control voltage		V	110VAC
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	А	8
	110V	А	0.3
	220V	А	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	1000000
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	70110
	Opening	% Un	2055
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

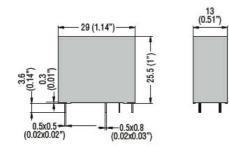
HR502CA110

ENERGY AND AUTOMATION

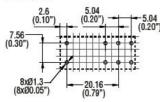
HR502CA110 Miniature relay with LED state indicator and mechanical actuator, 110/120VAC, 8A, 2C/O contact. Fitting on socket HR5XS2...

	IEC			
		min	mm²	0.5
		max	mm²	2.5
Operating position				
		normal		Any
Fixing				On 35mm DIN rail and with screw
Ambient conditions				001011
Temperature				
	Operating temperature			
		min	°C	-40
		max	°C	+70
	Storage temperature			
		min	°C	-40
		max	°C	+85
Other features				
Indication				Yes
Mechanical contact p	osition indicator			Yes
Mechanical test actua	ator			Yes

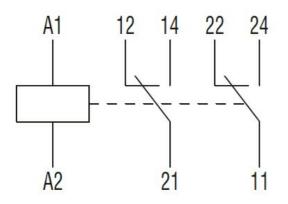
## Dimensions



PCB layout



## Wiring diagrams



## Certifications and compliance Compliance

IEC/EN 61810

HR502CA110

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



Certificates	
	CSA
	cURus
	EAC
	VDE
ETIM classification	

ETIM 8.0

EC001437 -Switching relay