



Product designation			MINIATURE
-			RELAYS
Product type designation			HR502C
Contact characteristics			2.0/0
Contact configuration		\ <i>\</i>	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	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	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	70110
	Opening	% Un	2055
Maximum cycle frequency		cycles/h	3600
Mechanical features		0,0100,11	
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
	max		1-1

HR502CA110

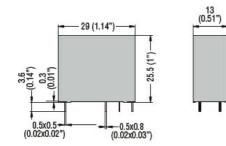
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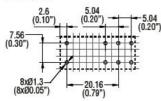
HR502CA110 MINIATURE RELAY WITH LED STATE INDICATOR AND MECHANICAL ACTUATOR, 110/120VAC, 8A, 2C/O CONTACT. FITTING ON SOCKET HR5XS2...

IEC min mm² 0.5 max mm² 2.5 Operating position normal Any Fixing On 35mm rail and wi screw Ambient conditions screw Temperature min °C Operating temperature min °C Storage temperature Storage temperature	
max mm² 2.5 Operating position normal Any Fixing On 35mm rail and wi screw Ambient conditions rail and wi screw Temperature Operating temperature Min °C -40 max min °C +70	
Operating position normal Any normal Any On 35mm rail and wi screw screw Ambient conditions screw Temperature min °C -40 max °C +70 rol	
normal Any Fixing On 35mm rail and wi screw Ambient conditions rail and wi screw Temperature min °C -40 max °C +70	
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Temperature Operating temperature max °C +70	
Operating temperature min °C -40 max °C +70	
min °C -40 max °C +70	
max °C +70	
Storage temperature	
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min °C -40	
max °C +85	
Other features	
Indication Yes	
Mechanical contact position indicator Yes	
Mechanical test actuator Yes	

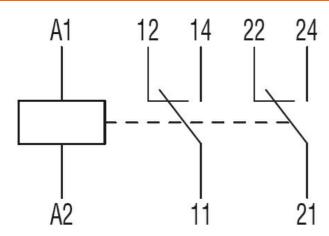
<u>Dimensions [</u>mm (in)]



PCB layout



Wiring diagrams



Certifications and compliance Compliance

HR502CA110

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	IEC/EN 61810	
Certificates		
	CSA	
	cURus	
	EAC	
	VDE	
ETIM classification		
		EC001427

ETIM 8.0

EC001437 -Switching relay