HR501CA230



Product designation

electric Miniature relay with LED state indicator and mechanical actuator, 230VAC, 16A, 1C/O contact. Fitting on socket HR5XS2... (max 10A)



MINIATURE RELAYS

Trouber designation			RELAYS
Product type designation			HR501C
Contact characteristics			
Contact configuration			1 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	16
Maximum instantaneous current		А	20
Rated current (In)		А	16
Relay control voltage		V	230VAC
Max contrallable power in			
	AC-1	W	4000
	AC-15	VA	150
Rated operating power AC-1			
		VA	4000
Rated operating power AC-15			
	230 VAC	VA	150
Single-phase motor control			
	230VAC	kW	0.1
Rated operating current DC-1			
	30V	А	12
	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			Ť
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		-	
Max socket terminal tightening torque		Nm	0.6
Socket screw tightening tool (cross / flat blade)			PH1 / 4.5mm
Conductor section			
AM/C/Komil			

AWG/Kcmil

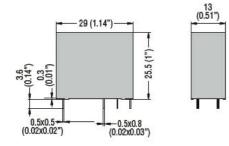
HR501CA230

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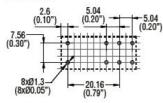
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		min		20
		max		14
	IEC			
		min	mm²	0.5
		max	mm²	2.5
Operating position				
		normal		Any
Fixing				On 35mm DIN rail and with screw
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-40
		max	°C	+70
	Storage temperature			
		min	°C	-40
		max	°C	+85
Other features				
Indication				Yes
Mechanical contact p	osition indicator			Yes
Mechanical test actua	tor			Yes

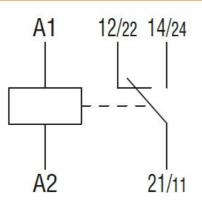
Dimensions



PCB layout



Wiring diagrams



Certifications and compliance

HR501CA230

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



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Compliance

	IEC/EN 61810	
Certificates		
	CSA	
	cURus	
	EAC	
	VDE	
ETIM classificat	ion	
ETIM 8.0		EC001437 -

HR501CA230

Switching relay