



Product designation			MINIATURE RELAYS
Product type designation			HR302C
Contact characteristics			11110020
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	20
Rated current (In)		A	8
Relay control voltage		V	48VDC
Max contrallable power in		•	10120
	AC-1	W	2000
	AC-15	VA	150
Rated operating power AC-1	710 10	•7 (	100
		VA	2000
Rated operating power AC-15		٧٨	2000
Rated operating power AO 10	230 VAC	VA	150
Single-phase motor control	230 VAC	٧٨	150
Single-phase motor control	230VAC	kW	0.2
Rated operating current DC-1	230VAC	r v v	0.2
Rated operating current DC-1	30V	А	8
	110V	A	o 0.3
	220V		0.3
Minimum quitabing load	2200	A V / mA	5 / 100
Minimum switching load			
Contact impedance		mΩ	100
Contact material			AgSnO2
Operating times			10
Closing		ms	10
Opening		ms	5
Operations			1000000
Mechanical life		cycles	1000000
Electrical life AC1		cycles	50000
Coil characteristics		> / 6	
Average coil consumption AC at 20°C		VA	0.9
Average coil consumption DC at 20°C		W	0.45
Operating range	<u>.</u>	o	==
	Closing	% Un	75110
	Opening	% Un	1030
Maximum cycle frequency		cycles/h	3600
Mechanical features		N L	0.0
Max socket terminal tightening torque		Nm	0.6
Socket screw tightening tool (cross / flat blade)			PH1 / 4.5mm
Conductor section			

AWG/Kcmil

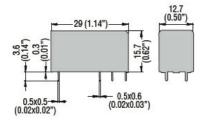
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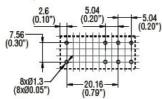
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		min		20
		max		14
	IEC			
		min	mm²	0.5
		max	mm²	2.5
Operating position				
		normal		Any
				On 35mm DIN
Fixing				rail and with
				screw
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-40
		max	°C	+85
	Storage temperature			
		min	°C	-40
		max	°C	+85
Other features				
Indication				No
Mechanical contact p	oosition indicator			No
Mechanical test actuator				No

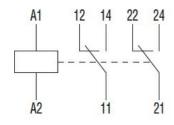
Dimensions



PCB layout



## Wiring diagrams



## Certifications and compliance

Compliance		
	IEC/EN 61810	
Certificates		
	CSA	
	cURus	
	EAC	

HR302CD048

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



VDE

ETIM classification

ETIM 8.0

EC002055 -Solid state relay