



Product designation			Assembled miniature relays
Product type designation			HR302C
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	20	
Rated current (In)	A	8	
Relay control voltage	V	24VDC	
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
Single-phase motor control			
	230VAC	kW	0.2
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	AgSnO2		
Operating times			
Closing	ms	10	
Opening	ms	5	
Operations			
Mechanical life	cycles	10000000	
Electrical life AC1	cycles	50000	
Coil characteristics			
Average coil consumption AC at 20°C	VA	0.9	
Average coil consumption DC at 20°C	W	0.45	
Operating range			
	Closing	% Un	75...110
	Opening	% Un	10...30
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
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	+85

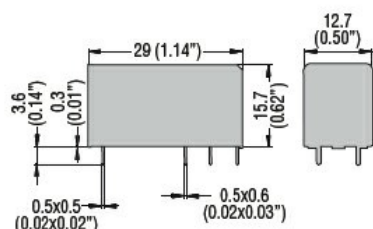
Storage temperature

min	°C	-40
max	°C	+85

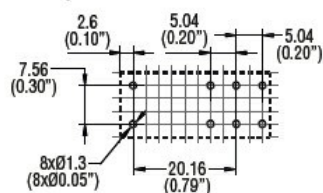
Other features

Indication	No
Mechanical contact position indicator	No
Mechanical test actuator	No

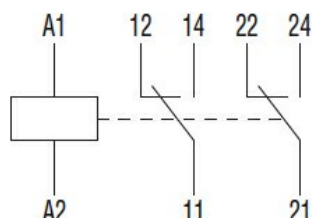
Dimensions



PCB layout



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 61810

ETIM classification

ETIM 8.0

EC001437 -
Switching relay