



Product designation			MINIATURE
Product type designation			RELAYS
			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		48VDC
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		mO	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

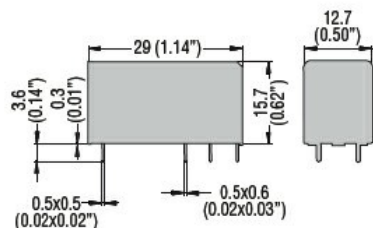
Storage temperature

min	°C	-40
max	°C	+85

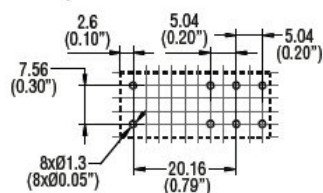
Other features

Indication	No
Mechanical contact position indicator	No
Mechanical test actuator	No

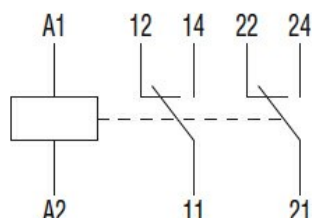
Dimensions



PCB layout



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 61810

Certificates

CSA
cURus
EAC

VDE

ETIM classification

ETIM 8.0

EC002055 -
Solid state relay