Lovato electric
ENERGY AND AUTOMATION

RELÉ MINIATURA, 48VDC, 8A, 2 CONTACTOS CONMUT. MONTAJE EN BASE HR5XS2...

|		
Product designation		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	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	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	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	+85
Storage temperature			
	min	°C	-40
	max	°C	+85

Other features

Indication	No
Mechanical contact position indicator	No
Mechanical test actuator	No

Dimensions
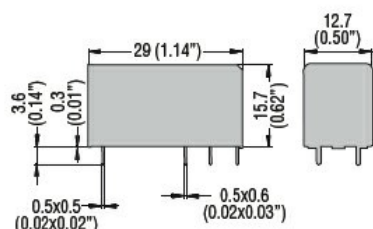
PCB layout
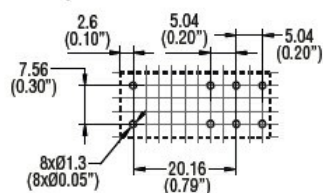
Wiring diagrams
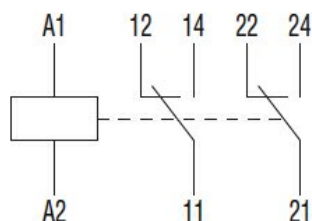
Certifications and compliance

Compliance

IEC/EN 61810

Certificates

CSA

cURus

EAC

HR302CD048

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VDE

ETIM classification

ETIM 8.0

EC002055 - Solid state relay