



Product designation

MINIATURE
RELAYS
HR301C

Product type designation

Contact characteristics

Contact configuration		1 C/O
Rated insulation voltage U_i IEC/EN	V	250
Rated impulse withstand voltage U_{imp}	kV	6
IEC Conventional free air thermal current I_{th}	A	16
Maximum instantaneous current	A	60
Rated current (I_n)	A	16
Relay control voltage	V	24VAC

Max contrrollable power in

AC-1	W	4000
AC-15	VA	300

Rated operating power AC-1

VA	4000
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Rated operating power AC-15

230 VAC	VA	300
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Single-phase motor control

230VAC	kW	0.4
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Rated operating current DC-1

30V	A	12
110V	A	0.3
220V	A	0.1

Minimum switching load

V / mA	5 / 100
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Contact impedance

mΩ	100
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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	% U_n	70...110
Opening	% U_n	20...55

Maximum cycle frequency

cycles/h	3600
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Mechanical features

Max socket terminal tightening torque	Nm	0.6
Socket screw tightening tool (cross / flat blade)		PH1 / 4.5mm

Conductor section

AWG/Kcmil

	IEC	min	20	
		max	14	
Operating position		min	mm ²	0.5
		max	mm ²	2.5
Fixing		normal	Any	
			On 35mm DIN rail and with screw	

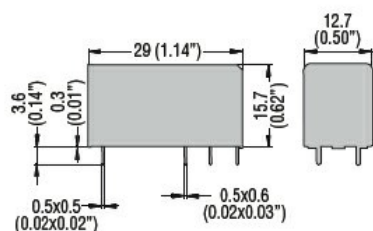
Ambient conditions

Temperature	Operating temperature	min	°C	-40
		max	°C	+85
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		Storage temperature		
	min	°C	-40	
	max	°C	+85	

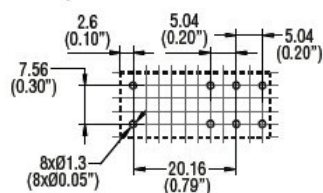
Other features

Indication	No
Mechanical contact position indicator	No
Mechanical test actuator	No

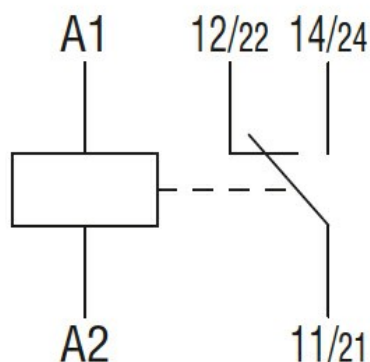
Dimensions



PCB layout



Wiring diagrams



Certifications and compliance

Compliance	IEC/EN 61810
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Certificates

CSA

cURus

EAC

VDE

ETIM classification

ETIM 8.0

EC001437 -
Switching relay