



Product designation			MINIATURE
Product type designation			RELAYS
			HR301C
Contact characteristics			
Contact configuration			1 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		16
Maximum instantaneous current	A		60
Rated current (In)	A		16
Relay control voltage	V		110...120VAC
Max contrrollable power in			
	AC-1	W	4000
	AC-15	VA	300
Rated operating power AC-1		VA	4000
Rated operating power AC-15			
	230 VAC	VA	300
Single-phase motor control			
	230VAC	kW	0.4
Rated operating current DC-1			
	30V	A	12
	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	70...110
	Opening	% Un	20...55
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

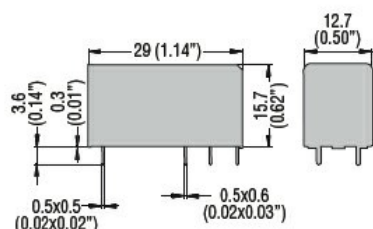
Storage temperature

min	°C	-40
max	°C	+85

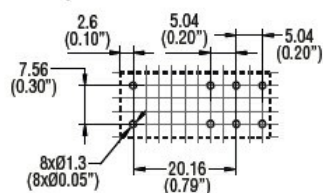
Other features

Indication	No
Mechanical contact position indicator	No
Mechanical test actuator	No

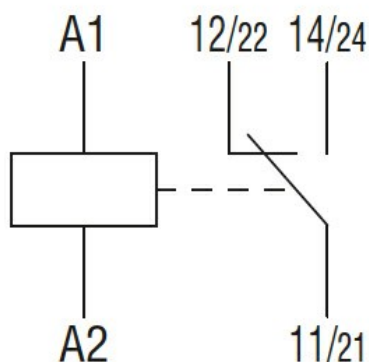
Dimensions



PCB layout



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 61810

Certificates

CSA

cURus

EAC

VDE

ETIM classification

ETIM 8.0

EC001437 -
Switching relay