**ENERGY AND AUTOMATION** 

# RELÉ MINIATURA, 48VDC, 16A, 1 CONTACTO CONMUT. MONTAJE EN BASE HR5XS2... (MAX



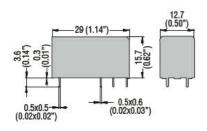
Product designation			MINIATURE RELAYS
Product type designation			HR301C
Contact characteristics			
Contact configuration			1 C/O
Rated insulation voltage Ui IEC/EN		V	250
Rated impulse withstand voltage Uimp		kV	6
IEC Conventional free air thermal current Ith		Α	16
Maximum instantaneous current		Α	60
Rated current (In)		Α	16
Relay control voltage		V	48VDC
Max contrallable 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	Α	12
	110V	Α	0.3
	220V	Α	0.1
Minimum switching load		V / mA	5 / 100
Contact impedance		mΩ	100
Contact material			AgSnO2
Operating times			, and the second
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	75110
	Opening	% Un	1030
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

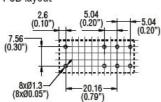
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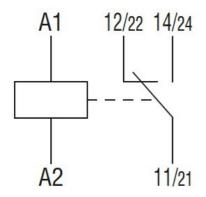
		min		20
		max		14
	IEC			
		min	mm²	0.5
		max	mm²	2.5
Operating position				
		normal		Any
Fixing				On 35mm DIN rail and with screw
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-40
		max	°C	+85
	Storage temperature			
		min	°C	-40
		max	°C	+85
Other features				
Indication				No
Mechanical contact p	position indicator			No
Mechanical test actuator		No		
Dimensions				



PCB layout



#### Wiring diagrams



### Certifications and compliance

Compliance

HR301CD048

IEC/EN 61810



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#### HR301CD048

RELÉ MINIATURA, 48VDC, 16A, 1 CONTACTO CONMUT. MONTAJE EN BASE HR5XS2... (MAX 10A)

Certificates			
	CSA		
	cURus		
	EAC		
	VDE		

ETIM classification

ETIM 8.0 EC002055 - Solid state relay