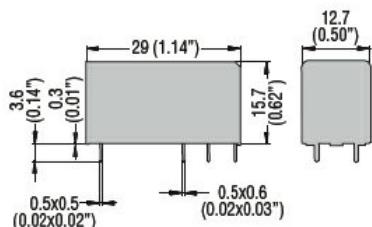


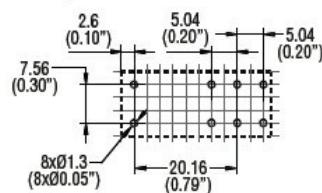


Product designation	MINIATURE RELAYS				
Product type designation	HR301C				
<b>Contact characteristics</b>					
Contact configuration	1 C/O				
Rated insulation voltage $U_i$ IEC/EN	V	250			
Rated impulse withstand voltage $U_{imp}$	kV	6			
IEC Conventional free air thermal current $I_{th}$	A	16			
Maximum instantaneous current	A	60			
Rated current ( $I_n$ )	A	16			
Relay control voltage	V	12VDC			
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	A	12		
	110V	A	0.3		
	220V	A	0.1		
Minimum switching load	V / mA	5 / 100			
Contact impedance	mΩ	100			
Contact material	AgSnO <sub>2</sub>				
<b>Operating times</b>					
Closing	ms	10			
Opening	ms	5			
<b>Operations</b>					
Mechanical life	cycles	10000000			
Electrical life AC1	cycles	50000			
<b>Coil characteristics</b>					
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		
<b>Mechanical features</b>					
Max socket terminal tightening torque	Nm	0.6			
Socket screw tightening tool (cross / flat blade)		PH1 / 4.5mm			
Conductor section	AWG/Kcmil				

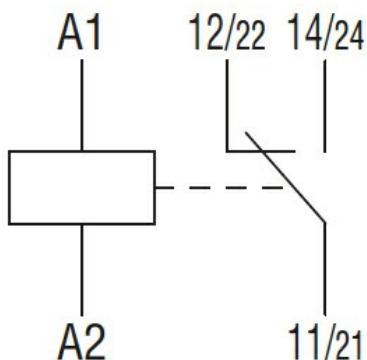
		min	20
		max	14
IEC			
		min	mm <sup>2</sup> 0.5
		max	mm <sup>2</sup> 2.5
Operating position	normal	Any	
Fixing		On 35mm DIN rail and with screw	
<b>Ambient conditions</b>			
Temperature	Operating temperature	min °C -40	
		max °C +85	
	Storage temperature	min °C -40	
		max °C +85	
<b>Other features</b>			
Indication		No	
Mechanical contact position indicator		No	
Mechanical test actuator		No	
<b>Dimensions</b>			



#### 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