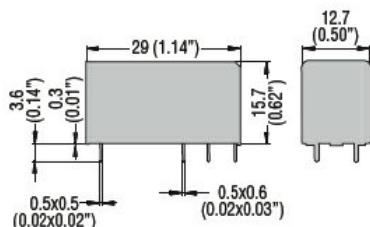


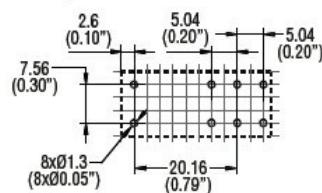


Product designation	MINIATURE RELAYS				
Product type designation	HR301C				
Contact characteristics					
Contact configuration	1 C/O				
Rated insulation voltage U_i IEC/EN	V	250			
Rated impulse withstand voltage U_{imp}	kV	6			
IEC Conventional free air thermal current I_{th}	A	16			
Maximum instantaneous current	A	60			
Rated current (I_n)	A	16			
Relay control voltage	V	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	A	12		
	110V	A	0.3		
	220V	A	0.1		
Minimum switching load	V / mA	5 / 100			
Contact impedance	mΩ	100			
Contact material	AgSnO ₂				
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				

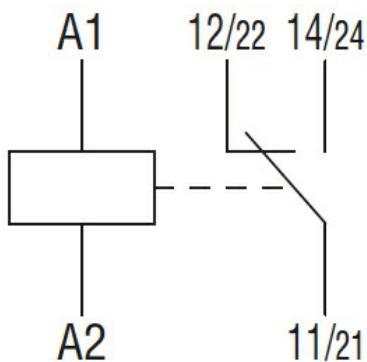
		min	20
		max	14
IEC			
		min	mm ² 0.5
		max	mm ² 2.5
Operating position	normal	Any	
Fixing		On 35mm DIN rail and with screw	
Ambient conditions			
Temperature	Operating temperature	min °C -40	
		max °C +85	
	Storage temperature	min °C -40	
		max °C +85	
Other features			
Indication		No	
Mechanical contact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

EC002055 -
Solid state relay