



Product designation	MINIATURE RELAYS				
Product type designation	HR401C				
Contact characteristics					
Contact configuration	1 C/O				
Rated insulation voltage U_i IEC/EN	V	250			
Rated impulse withstand voltage U_{imp}	kV	4			
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	24VDC			
Max contrallable power in	AC-1	W	3840		
	AC-15	VA	150		
Rated operating power AC-1		VA	4000		
Rated operating power AC-15	230 VAC	VA	500		
Single-phase motor control	230VAC	kW	0.37		
Rated operating current DC-1	30V	A	10		
	110V	A	0.3		
	220V	A	0.12		
Minimum switching load	V / mA	5 / 100			
Contact impedance	mΩ	100			
Contact material	AgSnO ₂				
Operating times					
Closing	ms	<15			
Opening	ms	<5			
Operations					
Mechanical life	cycles	10000000			
Electrical life AC1	cycles	100000			
Coil characteristics					
Average coil consumption DC at 20°C	W	0.7			
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		

IEC	max	14
	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

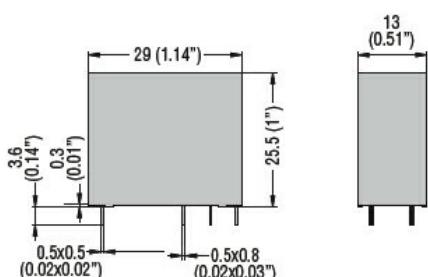
Mechanical contact position indicator

No

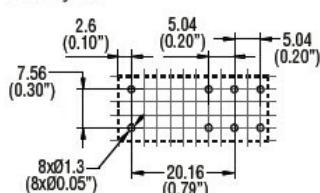
Mechanical test actuator

No

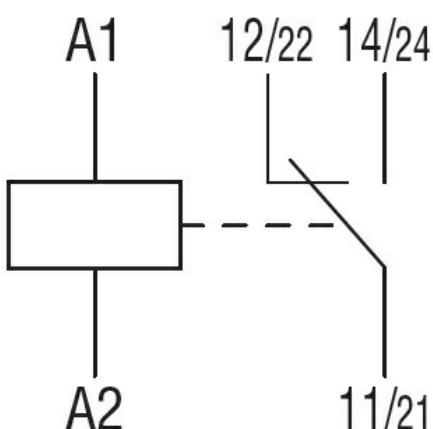
Dimensions



PCB layout



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 61810

Certificates

cURus

VDE

ETIM classification

ETIM 8.0

EC001437 –
Switching relay