



Product designation

MINIATURE  
RELAYS  
HR401C

Product type designation

**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 contrrollable power in

AC-1	W	3840
AC-15	VA	150

Rated operating power AC-1

VA	4000
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Rated operating power AC-15

230 VAC	VA	500
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Single-phase motor control

230VAC	kW	0.37
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Rated operating current DC-1

30V	A	10
110V	A	0.3
220V	A	0.12

Minimum switching load

V / mA	5 / 100
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Contact impedance

mΩ	100
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Contact material

AgSnO<sub>2</sub>

**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
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Operating range

Closing	% $U_n$	75...110
Opening	% $U_n$	10...30

Maximum cycle frequency

cycles/h	3600
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**Mechanical features**

Max socket terminal tightening torque	Nm	0.6
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Socket screw tightening tool (cross / flat blade)		PH1 / 4.5mm
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Conductor section

AWG/Kcmil

min	20
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IEC	max	14	
	min	mm <sup>2</sup>	0.5
	max	mm <sup>2</sup>	2.5

Operating position	normal	Any
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Fixing	On 35mm DIN rail and with screw	
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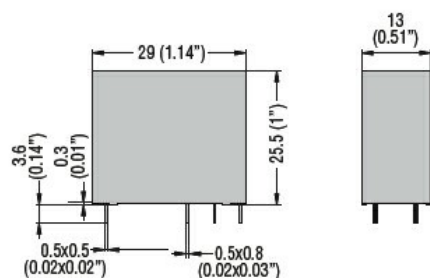
### Ambient conditions

Temperature				
	Operating temperature	min	°C	-40
		max	°C	+85
		<hr/>		
		Storage temperature		
	min	°C	-40	
	max	°C	+85	

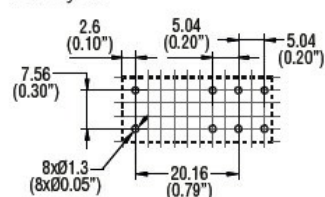
### Other features

Indication	No
Mechanical contact position indicator	No
Mechanical test actuator	No

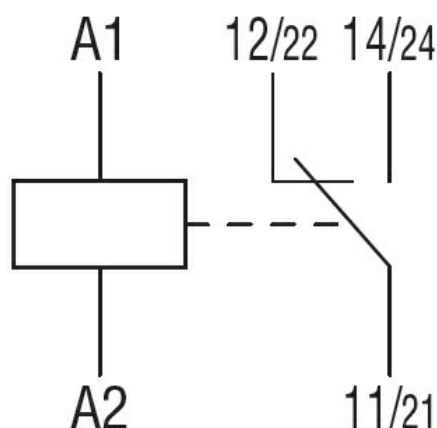
### Dimensions



PCB layout



### Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 61810

Certificates

cURus

VDE

ETIM classification

ETIM 8.0

EC001437 –  
Switching relay