



Product designation

Product type designation

MINIATURE
RELAYS
HR401C

Contact characteristics

Contact configuration			1 C/O
Rated insulation voltage Ui IEC/EN	V		250
Rated impulse withstand voltage Uimp	kV		4
IEC Conventional free air thermal current Ith	A		16
Maximum instantaneous current	A		60
Rated current (In)	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
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			AgSnO2

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	% 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
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Fixing	On 35mm DIN rail and with screw	
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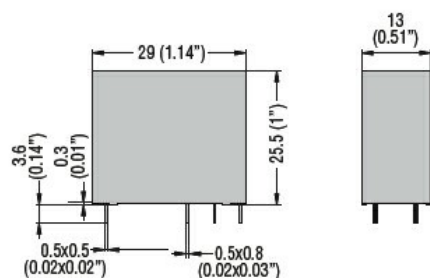
Ambient conditions

Temperature		Operating temperature	
	min	°C	-40
	max	°C	+85
		Storage temperature	
	min	°C	-40
	max	°C	+85

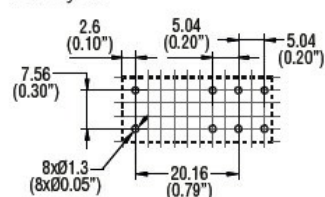
Other features

Indication	No
Mechanical contact position indicator	No
Mechanical test actuator	No

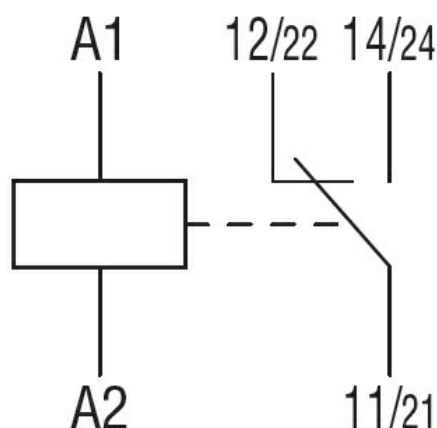
Dimensions



PCB layout



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 61810

Certificates

cURus

VDE

ETIM classification

ETIM 8.0

EC001437 –
Switching relay