



Product designation

MINIATURE  
RELAYS  
HR402C

Product type designation

**Contact characteristics**

Contact configuration			2 C/O
Rated insulation voltage $U_i$ IEC/EN	V		250
Rated impulse withstand voltage $U_{imp}$	kV		5
IEC Conventional free air thermal current $I_{th}$	A		10
Maximum instantaneous current	A		26
Rated current ( $I_n$ )	A		10
Relay control voltage	V		24VDC

Max contrallable power in

AC-1	W	2500
AC-15	VA	150

Rated operating power AC-1

VA	2500
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Rated operating power AC-15

230 VAC	VA	400
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Single-phase motor control

230VAC	kW	0.3
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Rated operating current DC-1

30V	A	8
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	0.5
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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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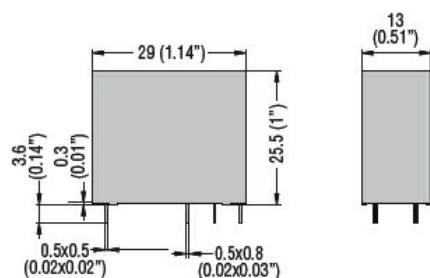
Socket screw tightening tool (cross / flat blade)		PH1 / 4.5mm
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Conductor section

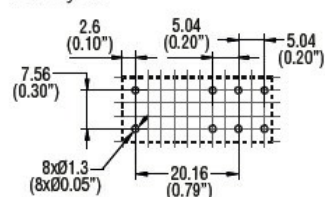
AWG/Kcmil

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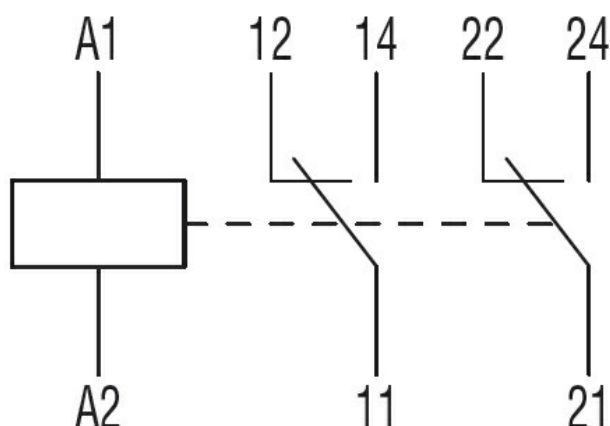
IEC	max		14
	min	mm <sup>2</sup>	0.5
	max	mm <sup>2</sup>	2.5
Operating position			
normal			Any
Fixing			On 35mm DIN rail and with screw
Ambient conditions			
Temperature			
Operating temperature			
min		°C	-40
max		°C	+85
Storage temperature			
min		°C	-40
max		°C	+85
Other features			
Indication	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



PCB layout



## Wiring diagrams



## Certifications and compliance

Compliance

IEC/EN 61810

Certificates

cURus

ETIM classification

ETIM 8.0

EC001437 –  
Switching relay