



Product designation

MINIATURE  
RELAYS  
HR502C

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		6
IEC Conventional free air thermal current $I_{th}$	A		8
Maximum instantaneous current	A		10
Rated current ( $I_n$ )	A		8
Relay control voltage	V		24VAC

Max contrrollable power in

AC-1	W	2000
AC-15	VA	150

Rated operating power AC-1

VA	2000
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Rated operating power AC-15

230 VAC	VA	150
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Rated operating current DC-1

30V	A	8
110V	A	0.3
220V	A	0.1

Minimum switching load

V / mA	5 / 100
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Contact impedance

mΩ	100
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Contact material

Ag/Ni

**Operating times**

Closing	ms	<15
Opening	ms	<15

**Operations**

Mechanical life	cycles	10000000
Electrical life AC1	cycles	50000

**Coil characteristics**

Average coil consumption AC at 20°C	VA	1
Average coil consumption DC at 20°C	W	0.4

Operating range

Closing	% $U_n$	70...110
Opening	% $U_n$	20...55

Maximum cycle frequency

cycles/h	3600
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**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 <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

## Ambient conditions

Temperature

Operating temperature

min	°C	-40
max	°C	+70

Storage temperature

min	°C	-40
max	°C	+85

## Other features

Indication

Yes

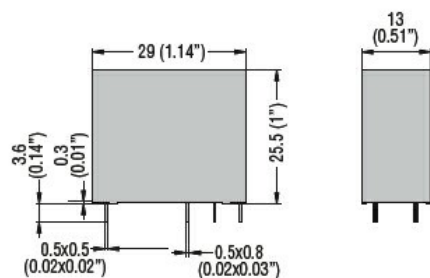
Mechanical contact position indicator

Yes

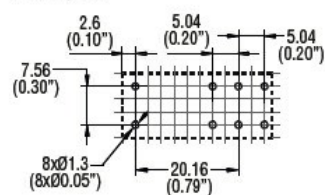
Mechanical test actuator

Yes

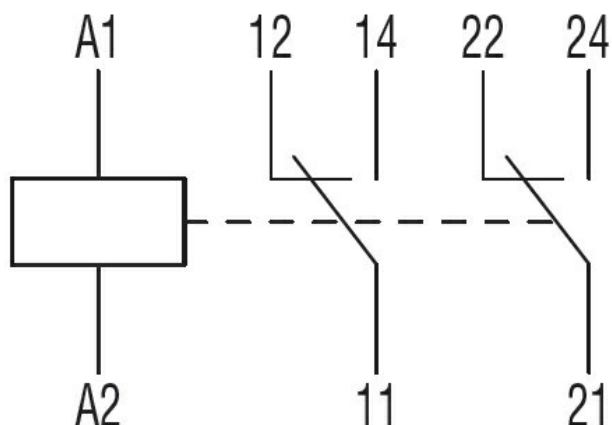
## Dimensions



PCB layout



## Wiring diagrams



## Certifications and compliance

Compliance

IEC/EN 61810

Certificates

CSA

cURus

EAC

VDE

ETIM classification

ETIM 8.0

EC001437 -  
Switching relay