



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	12VDC

Max contrallable 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
Contact impedance	mΩ	100
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	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
Socket screw tightening tool (cross / flat blade)		PH1 / 4.5mm

Conductor section

AWG/Kcmil

min	20
max	14

IEC

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

Ambient conditions

Temperature

Operating temperature

min	°C	-40
max	°C	+70

Storage temperature

min	°C	-40
max	°C	+85

Other features

Indication

Yes

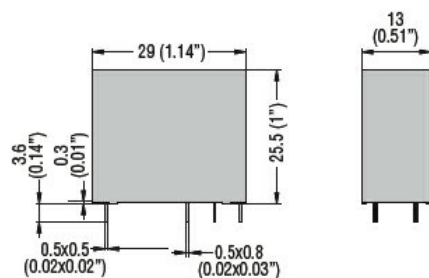
Mechanical contact position indicator

Yes

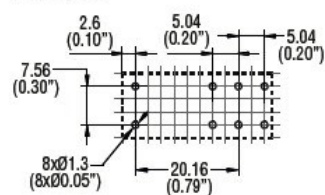
Mechanical test actuator

Yes

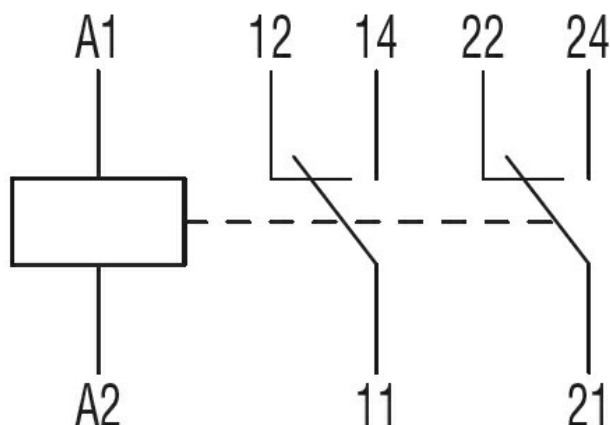
Dimensions



PCB layout



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 61810

Certificates

CSA

cURus

EAC

VDE

ETIM classification

ETIM 8.0

EC001437 -
Switching relay