



| | | | | | |
|---|--|--|---------------------|----------|----------|
| Product designation | | | MINIATURE RELAYS | | |
| Product type designation | | | HR502C | | |
| Contact characteristics | | | | | |
| Contact configuration | | | 2 C/O | | |
| Rated insulation voltage Ui IEC/EN | | | V | 250 | |
| Rated impulse withstand voltage Uimp | | | kV | 6 | |
| IEC Conventional free air thermal current Ith | | | A | 8 | |
| Maximum instantaneous current | | | A | 10 | |
| Rated current (In) | | | A | 8 | |
| Relay control voltage | | | V | 24VDC | |
| Max contrallable power in | | | AC-1 | W | 2000 |
| | | | AC-15 | VA | 150 |
| Rated operating power AC-1 | | | VA | 2000 | |
| Rated operating power AC-15 | | | 230 VAC | VA | 150 |
| 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 | % 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 | |
| | | | max | 14 | |

IEC

| | | |
|-----|-----------------|-----|
| min | mm ² | 0.5 |
| max | mm ² | 2.5 |

Operating position

| | |
|--------|-----|
| normal | Any |
|--------|-----|

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

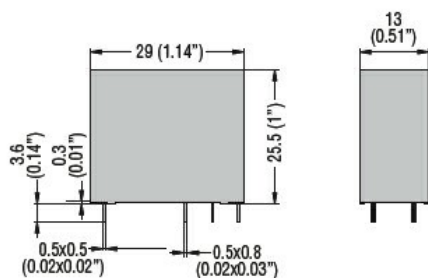
Mechanical contact position indicator

Yes

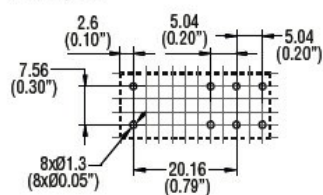
Mechanical test actuator

Yes

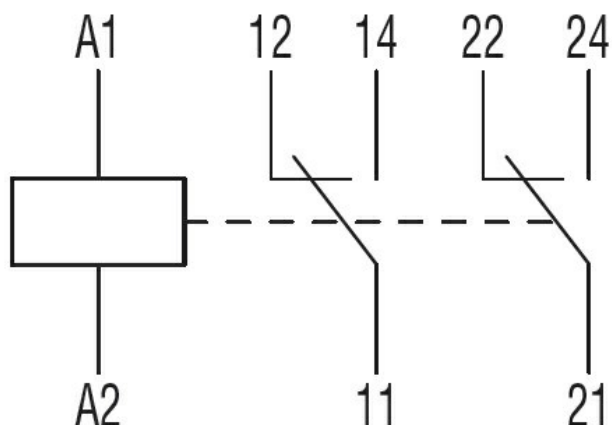
Dimensions



PCB layout



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 61810

Certificates

CSA

cURus

EAC

VDE

ETIM classification

ETIM 8.0

EC001437 -
Switching relay