# HRA502CD024K4

ASSEMBLED MINIATURE RELAY WITH LED STATE INDICATOR AND MECHANICAL ACTUATOR, 24VDC, 8A, 2C/O CONTACT. SCREW TERMINALS WITH RETAIN/RELEASE CLIP

| | | | |
|---|---|---|---|
| Product designation | | | Assembled 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 |


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| | | | | |
|---|---|---|---|---|
| | IEC | | | |
| | | min | mm² | 0.5 |
| | | max | mm² | 2.5 |
| Operating position | | | | |
| | | normal | | Any |
| Fixing | | | | On 35mm DIN rail and with screw |

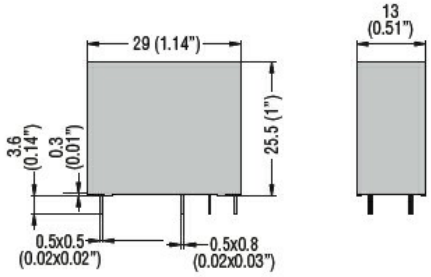
## Ambient conditions

| | | | | |
|---|---|---|---|---|
| Temperature | | | | |
| | Operating temperature | | | |
| | | min | °C | -40 |
| | | max | °C | +70 |
| | Storage temperature | | | |
| | | min | °C | -40 |
| | | max | °C | +85 |

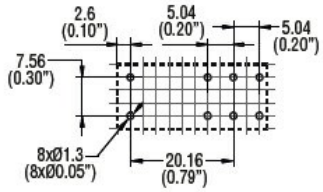
## Other features

| | |
|---|---|
| Indication | Yes |
| Mechanical contact position indicator | Yes |
| Mechanical test actuator | Yes |

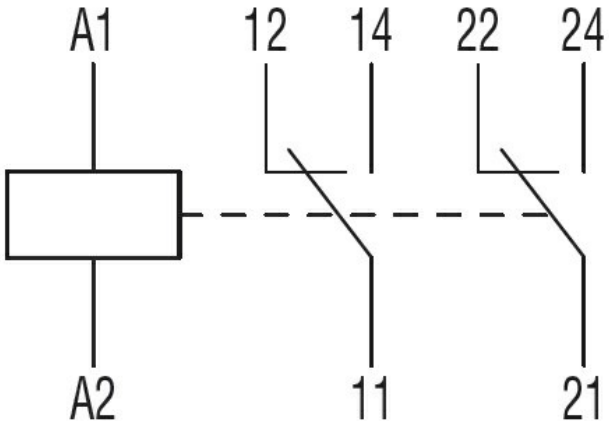
## Dimensions




PCB layout




## Wiring diagrams




## Certifications and compliance

Compliance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IEC/EN 61810

## ETIM classification

| | |
|---|---|
| ETIM 8.0 | EC001437 - Switching relay |


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