



| Product designation | | | MINIATURE |
|---|---------|------------|-------------|
| - | | | RELAYS |
| Product type designation | | | HR502C |
| Contact characteristics | | | 2.0/0 |
| Contact configuration | | \ <i>\</i> | 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 | 110VAC |
| 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 | А | 8 |
| | 110V | А | 0.3 |
| | 220V | А | 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 | 1000000 |
| 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 | 70110 |
| | Opening | % Un | 2055 |
| Maximum cycle frequency | | cycles/h | 3600 |
| Mechanical features | | 0,0100,11 | |
| 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 |
| | max | | 1-1 |

HR502CA110

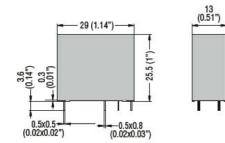
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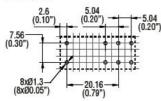
HR502CA110 MINIATURE RELAY WITH LED STATE INDICATOR AND MECHANICAL ACTUATOR, 110/120VAC, 8A, 2C/O CONTACT. FITTING ON SOCKET HR5XS2...

| | 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 p | osition indicator | | | Yes |
| Mechanical test actua | ator | | | Yes |
| | | | | |

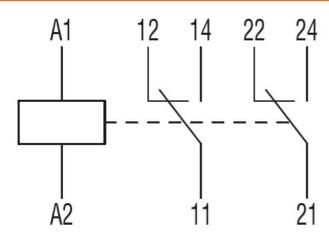
Dimensions



PCB layout



Wiring diagrams



Certifications and compliance Compliance

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| | IEC/EN 61810 | |
|---------------------|--------------|----------|
| Certificates | | |
| | CSA | |
| | cURus | |
| | EAC | |
| | VDE | |
| ETIM classification | | |
| | | EC001427 |

ETIM 8.0

EC001437 -Switching relay