



#### Contact characteristics

|                                                                          |            |    |         |
|--------------------------------------------------------------------------|------------|----|---------|
| Contact configuration                                                    | 1 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 $I_{th} \leq 40^\circ\text{C}$ | A          |    | 16      |
| Maximum instantaneous current                                            | A          |    | 25      |
| Rated current ( $I_n$ )                                                  | A          |    | 16      |
| Max contrrollable power in                                               | AC-1       | W  | 4000    |
|                                                                          | AC-15      | VA | 150     |
| Rated operating power AC-1                                               |            | VA | 4000    |
| Rated operating power AC-15                                              | 230 VAC    | VA | 360     |
| Single-phase motor control                                               | 230VAC     | kW | 0,75    |
| Rated operating current DC-1                                             | 30V        | A  | 12      |
|                                                                          | 110V       | A  | 0,5     |
|                                                                          | 220V       | A  | 0,3     |
| Minimum switching load                                                   | V / mA     |    | 5 / 100 |
| Contact impedance                                                        | m $\Omega$ |    | 100     |
| Contact material                                                         | Ag/SnO2    |    |         |

#### Operating times

|         |    |  |                      |
|---------|----|--|----------------------|
| Closing | ms |  | <15                  |
| Opening | ms |  | <20 (AC) / < 10 (DC) |

#### Operations

|                     |        |  |          |
|---------------------|--------|--|----------|
| Mechanical life     | cycles |  | 30000000 |
| Electrical life AC1 | cycles |  | 100000   |

#### Coil characteristics

|                                     |         |         |          |
|-------------------------------------|---------|---------|----------|
| Relay control voltage               | V       |         | 48VDC    |
| Average coil consumption AC at 20°C | VA      |         | 0,9      |
| Average coil consumption DC at 20°C | W       |         | 0,53     |
| Operating range                     | Closing | % $U_n$ | 80...110 |
|                                     | Opening | % $U_n$ | 10...30  |

|                         |          |  |      |
|-------------------------|----------|--|------|
| Maximum cycle frequency | cycles/h |  | 1200 |
|-------------------------|----------|--|------|

#### Mechanical features

|                                                   |             |  |    |
|---------------------------------------------------|-------------|--|----|
| Max socket terminal tightening torque             | Nm          |  | 1  |
| 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 |
|--------|-----|

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

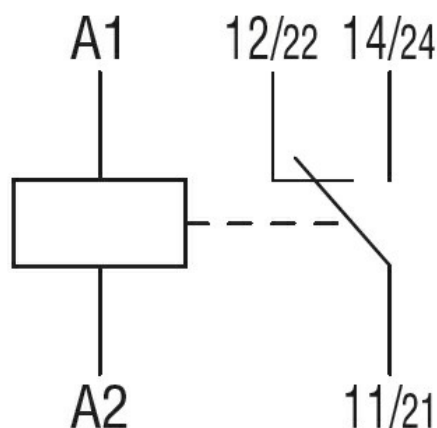
Mechanical contact position indicator

Yes

Mechanical test actuator

Yes

### Wiring diagrams



### Certifications and compliance

Compliance

IEC/EN/BS 61810-1

Certificates

cURus  
TUV

### ETIM classification

ETIM 8.0

EC001437 -  
Switching relay