



#### Contact characteristics

|                                                      |         |    |         |
|------------------------------------------------------|---------|----|---------|
| Contact configuration                                |         |    | 1 C/O   |
| Rated insulation voltage Ui IEC/EN                   | V       |    | 250     |
| Rated impulse withstand voltage Uimp                 | kV      |    | 6       |
| IEC Conventional free air thermal current Ith ≤ 40°C | A       |    | 16      |
| Maximum instantaneous current                        | A       |    | 25      |
| Rated current (In)                                   | 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                                    | mΩ      |    | 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       | 12VDC   |          |
| 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 | % $U_n$ | 20...55  |

|                         |          |      |  |
|-------------------------|----------|------|--|
| 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

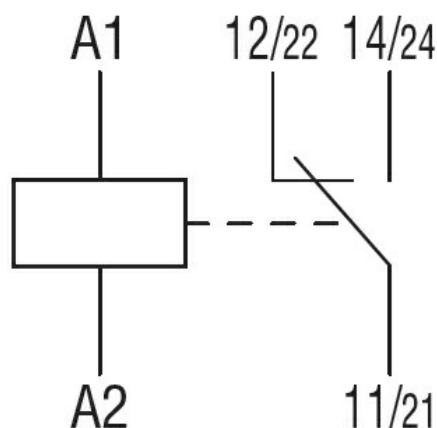
Mechanical contact position indicator

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