



#### Contact characteristics

|                                                      |        |         |       |
|------------------------------------------------------|--------|---------|-------|
| Contact configuration                                |        |         | 2 C/O |
| Rated insulation voltage Ui IEC/EN                   | V      | 250     |       |
| Rated impulse withstand voltage Uimp                 | kV     | 4       |       |
| IEC Conventional free air thermal current Ith ≤ 40°C | A      | 5       |       |
| Rated current (In)                                   | A      | 5       |       |
| Max contrrollable power in                           | AC-1   | W       | 1250  |
| Rated operating power AC-1                           |        | VA      | 1250  |
| Single-phase motor control                           | 230VAC | kW      | 0.12  |
| Minimum switching load                               | V / mA | 5 / 100 |       |
| Contact impedance                                    | mΩ     | 50      |       |
| Contact material                                     | AgSnO2 |         |       |

#### Operating times

|         |    |     |
|---------|----|-----|
| Closing | ms | <20 |
| Opening | ms | <10 |

#### Operations

|                     |        |          |
|---------------------|--------|----------|
| Mechanical life     | cycles | 10000000 |
| Electrical life AC1 | cycles | 100000   |

#### Coil characteristics

|                                     |         |          |          |
|-------------------------------------|---------|----------|----------|
| Relay control voltage               | V       | 230VAC   |          |
| Average coil consumption AC at 20°C | VA      | 1        |          |
| Operating range                     | Closing | % $U_n$  | 80...110 |
|                                     | Opening | % $U_n$  | >10      |
| Maximum cycle frequency             |         | cycles/h | 1800     |

#### 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 | 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 | +85 |

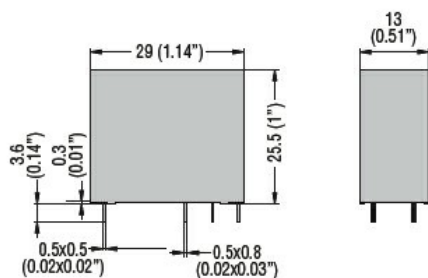
Storage temperature

|     |    |     |
|-----|----|-----|
| min | °C | -40 |
| max | °C | +85 |

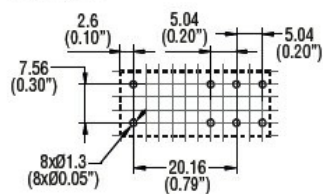
#### Other features

|                                       |    |
|---------------------------------------|----|
| Indication                            | No |
| Mechanical contact position indicator | No |
| Mechanical test actuator              | No |

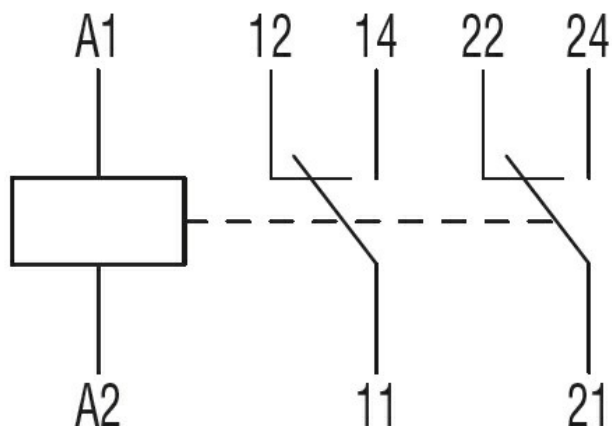
#### Dimensions



PCB layout



#### Wiring diagrams



#### Certifications and compliance

Compliance

IEC/EN 61810

Certificates

cURus

#### ETIM classification

ETIM 8.0

EC001437 –  
Switching relay