



### 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          |    | 20      |
| 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 | 150     |
| Single-phase motor control                                               | 230VAC     | kW | 0.1     |
| Rated operating current DC-1                                             | 30V        | A  | 12      |
|                                                                          | 110V       | A  | 0.3     |
|                                                                          | 220V       | A  | 0.1     |
| Minimum switching load                                                   | V / mA     |    | 5 / 100 |
| Contact impedance                                                        | m $\Omega$ |    | 100     |
| Contact material                                                         | Ag/Ni      |    |         |

### Operating times

|         |    |     |
|---------|----|-----|
| Closing | ms | <15 |
| Opening | ms | <15 |

### Operations

|                     |        |          |
|---------------------|--------|----------|
| Mechanical life     | cycles | 10000000 |
| Electrical life AC1 | cycles | 30000    |

### Coil characteristics

|                                     |    |        |
|-------------------------------------|----|--------|
| Relay control voltage               | V  | 230VAC |
| Average coil consumption AC at 20°C | VA | 1      |
| Average coil consumption DC at 20°C | W  | 0.4    |

### Operating range

|                         |          |         |          |
|-------------------------|----------|---------|----------|
|                         | Closing  | % $U_n$ | 70...110 |
|                         | Opening  | % $U_n$ | 20...55  |
| 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  |
| 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

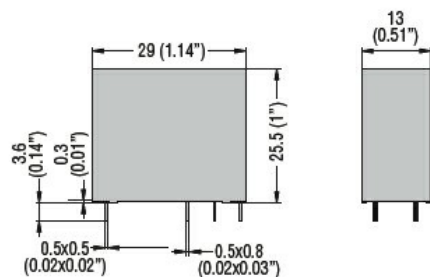
|             |                       |     |    |     |
|-------------|-----------------------|-----|----|-----|
| Temperature | Operating temperature | min | °C | -40 |
|             |                       | max | °C | +70 |

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

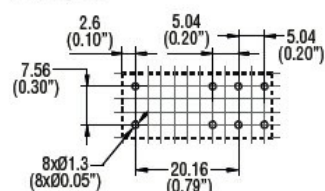
### Other features

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

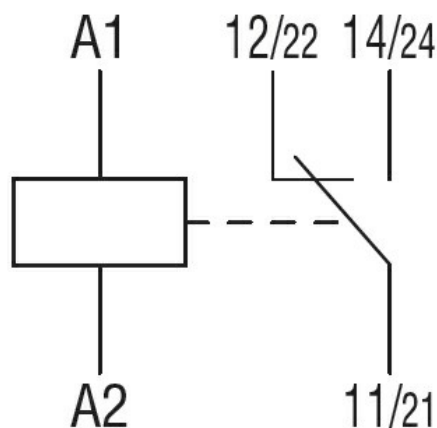
### Dimensions



PCB layout



### Wiring diagrams



### Certifications and compliance

#### Compliance

IEC/EN 61810

Certificates

CSA

cURus

EAC

VDE

ETIM classification

ETIM 8.0

EC001437 -  
Switching relay