



### 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          |    | 60                 |
| Rated current ( $I_n$ )                                                  | A          |    | 16                 |
| Max contrrollable power in                                               |            |    |                    |
|                                                                          | AC-1       | W  | 4000               |
|                                                                          | AC-15      | VA | 300                |
| Rated operating power AC-1                                               |            | VA | 4000               |
| Rated operating power AC-15                                              |            |    |                    |
|                                                                          | 230 VAC    | VA | 300                |
| Single-phase motor control                                               |            |    |                    |
|                                                                          | 230VAC     | kW | 0.4                |
| 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                                                         |            |    | AgSnO <sub>2</sub> |

### Operating times

|         |    |    |
|---------|----|----|
| Closing | ms | 10 |
| Opening | ms | 5  |

### Operations

|                     |        |          |
|---------------------|--------|----------|
| Mechanical life     | cycles | 10000000 |
| Electrical life AC1 | cycles | 50000    |

### Coil characteristics

|                                     |    |        |
|-------------------------------------|----|--------|
| Relay control voltage               | V  | 230VAC |
| Average coil consumption AC at 20°C | VA | 0.9    |
| Average coil consumption DC at 20°C | W  | 0.45   |

### 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 |
|--------|--|---------------------------------|

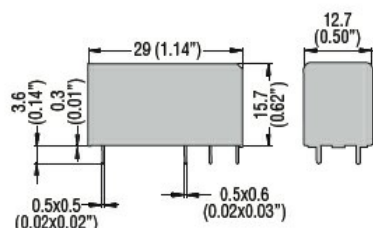
### Ambient conditions

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

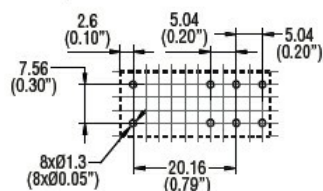
### Other features

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

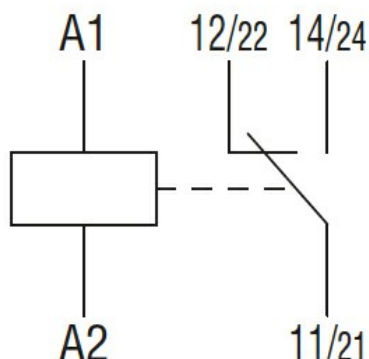
### Dimensions



PCB layout



### Wiring diagrams



### Certifications and compliance

|              |              |
|--------------|--------------|
| Compliance   | IEC/EN 61810 |
| Certificates | CSA<br>cURus |

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EAC

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VDE

ETIM classification

ETIM 8.0

EC001437 -  
Switching relay