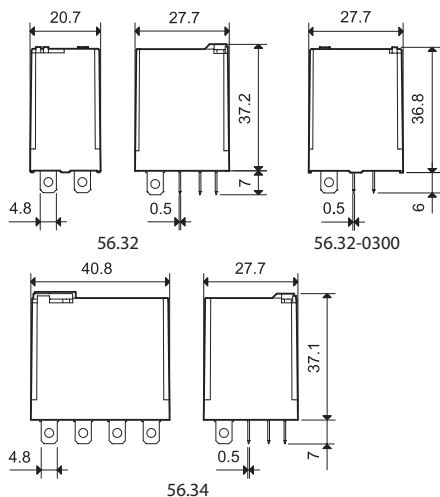


### Plug-in - 12 A Power relay, 2 & 4 pole

- Flange mount option - (Faston 187, 4.8 x 0.5 mm termination)
- AC coils & DC coils
- Lockable test button and mechanical flag indicator
- Cadmium Free contacts (standard version)
- Contact material options
- 96 series sockets
- Coil EMC suppression
- Accessories
- European Patent

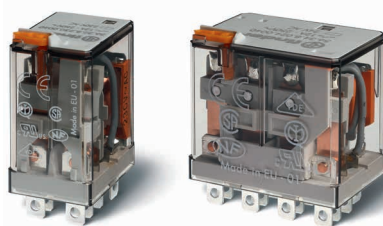


\* For 4 CO (4PDT) only.

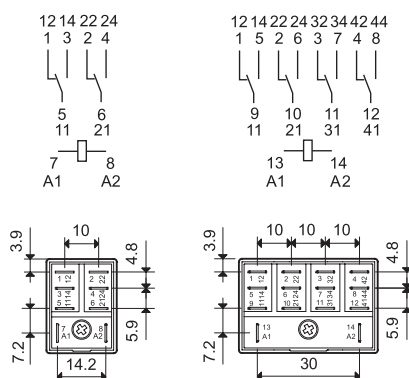
FOR UL RATINGS SEE:

"General technical information" page V

### 56.32/56.34



- 2 or 4 pole changeover contact
- Plug-in/Faston 187



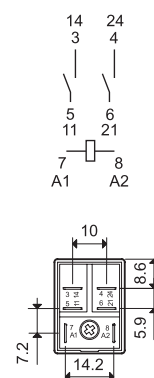
56.32

56.34

### 56.32-0300



- 2 pole normally open contact ( $\geq 1.5$  mm gap)
- Plug-in/Faston 187



56.32-0300

### Contact specification

| Contact configuration                       | 2 CO (DPDT) | 4 CO (4PDT) | 2NO (DPST-NO) - $\geq 1.5$ mm gap |
|---------------------------------------------|-------------|-------------|-----------------------------------|
| Rated current/Maximum peak current          | A           |             | 12/20                             |
| Rated voltage/<br>Maximum switching voltage | V AC        |             | 250/400                           |
| Rated load AC1                              | VA          |             | 3000                              |
| Rated load AC15 (230 V AC)                  | VA          |             | 700                               |
| Single phase motor rating (230 V AC)        | kW          |             | 0.55                              |
| Breaking capacity DC1: 30/110/220 V         | A           |             | 12/0.5/0.25                       |
| Minimum switching load                      | mW (V/mA)   |             | 500 (10/5)                        |
| Standard contact material                   | AgNi        |             | AgNi                              |

### Coil specification

|                           |                 |                                                      |                        |
|---------------------------|-----------------|------------------------------------------------------|------------------------|
| Nominal voltage ( $U_N$ ) | V AC (50/60 Hz) | 6 - 12 - 24 - 48 - 60 - 110 - 120 - 230 - 240 - 400* |                        |
|                           | V DC            | 6 - 12 - 24 - 48 - 60 - 110 - 125 - 220              |                        |
| Rated power AC/DC         | VA (50 Hz)/W    | 1.5/1                                                | 2/1.3                  |
| Operating range           | AC              | $(0.8 \dots 1.1) U_N$                                |                        |
|                           | DC              | $(0.8 \dots 1.1) U_N$                                | $(0.85 \dots 1.1) U_N$ |
| Holding voltage           | AC/DC           | $0.8 U_N / 0.6 U_N$                                  |                        |
| Must drop-out voltage     | AC/DC           | $0.2 U_N / 0.1 U_N$                                  |                        |

### Technical data

|                                                       |        |                                 |      |
|-------------------------------------------------------|--------|---------------------------------|------|
| Mechanical life AC/DC                                 | cycles | $20 \cdot 10^6 / 50 \cdot 10^6$ |      |
| Electrical life at rated load AC1                     | cycles | $100 \cdot 10^3$                |      |
| Operate/release time                                  | ms     | 8/3                             | 10/4 |
| Insulation between coil and contacts (1.2/50 $\mu$ s) | kV     | 4                               | 5    |
| Dielectric strength between open contacts             | V AC   | 1000                            |      |
| Ambient temperature range                             | °C     | -40...+70                       |      |
| Environmental protection                              |        | RT I                            |      |

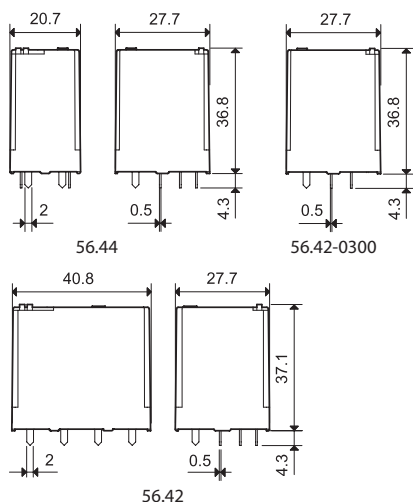
Approvals (according to type)



## Printed circuit mount

## 12 A Power relay

- 2 & 4 pole
- AC coils & DC coils
- Cadmium Free contacts (standard version)
- Contact material option
- RT III (wash tight) option available



\* For 4 CO (4PDT) only.

FOR UL RATINGS SEE:

"General technical information" page V

## Contact specification

| Contact configuration                       | 2 CO (DPDT)          | 4 CO (4PDT) | 2NO (DPST-NO) - $\geq 1.5$ mm gap |
|---------------------------------------------|----------------------|-------------|-----------------------------------|
| Rated current/Maximum peak current          | A 12/20              |             | 12/20                             |
| Rated voltage/<br>Maximum switching voltage | V AC 250/400         |             | 250/400                           |
| Rated load AC1                              | VA 3000              |             | 3000                              |
| Rated load AC15 (230 V AC)                  | VA 700               |             | 700                               |
| Single phase motor rating (230 V AC)        | kW 0.55              |             | 0.55                              |
| Breaking capacity DC1: 30/110/220 V         | A 12/0.5/0.25        |             | 12/1/0.5                          |
| Minimum switching load                      | mW (V/mA) 500 (10/5) |             | 500 (10/5)                        |
| Standard contact material                   | AgNi                 |             | AgNi                              |

## Coil specification

|                           |                 |                                                      |                        |
|---------------------------|-----------------|------------------------------------------------------|------------------------|
| Nominal voltage ( $U_N$ ) | V AC (50/60 Hz) | 6 - 12 - 24 - 48 - 60 - 110 - 120 - 230 - 240 - 400* |                        |
|                           | V DC            | 6 - 12 - 24 - 48 - 60 - 110 - 125 - 220              |                        |
| Rated power AC/DC         | VA (50 Hz)/W    | 1.5/1                                                | 2/1.3                  |
| Operating range           | AC              | $(0.8 \dots 1.1) U_N$                                |                        |
|                           | DC              | $(0.8 \dots 1.1) U_N$                                | $(0.85 \dots 1.1) U_N$ |
| Holding voltage           | AC/DC           | $0.8 U_N / 0.6 U_N$                                  |                        |
| Must drop-out voltage     | AC/DC           | $0.2 U_N / 0.1 U_N$                                  |                        |

## Technical data

|                                                       |        |                                 |      |
|-------------------------------------------------------|--------|---------------------------------|------|
| Mechanical life AC/DC                                 | cycles | $20 \cdot 10^6 / 50 \cdot 10^6$ |      |
| Electrical life at rated load AC1                     | cycles | $100 \cdot 10^3$                |      |
| Operate/release time                                  | ms     | 8/3                             | 10/4 |
| Insulation between coil and contacts (1.2/50 $\mu$ s) | kV     | 4                               | 5    |
| Dielectric strength between open contacts             | V AC   | 1000                            |      |
| Ambient temperature range                             | °C     | -40...+70                       |      |
| Environmental protection                              |        | RT I                            |      |

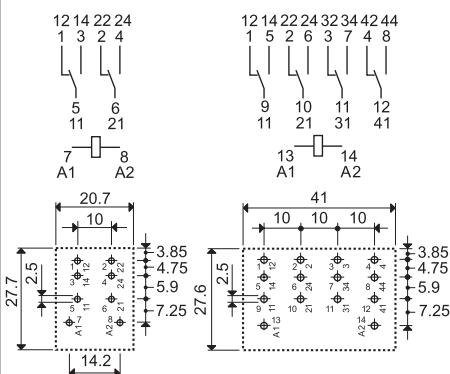
## Approvals (according to type)



## 56.42/56.44



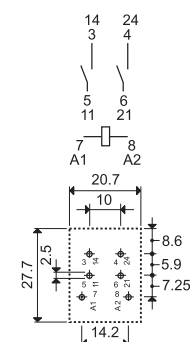
- 2 or 4 pole changeover contact
- PCB mount

56.42  
Copper side view56.44  
Copper side view

## 56.42-0300



- 2 pole normally open contact ( $\geq 1.5$  mm gap)
- PCB mount

56.42-0300  
Copper side view