

## Printed circuit mount

### 16 A Power relay

- 2 & 3 Pole changeover contacts or NO ( $\geq 3$  mm contact gap)
- AC coils & DC coils
- Reinforced insulation between coil and contacts according to EN 60335-1, with 6 mm clearance & 8 mm creepage distance
- SELV coil-contact separator option
- Cadmium free contact material options

\* Distance between contacts  $\geq 3$  mm (EN 60730-1).

\*\* With the AgSnO<sub>2</sub> material the maximum peak current is 120 A - 5 ms (NO contact).

For UL RATINGS SEE:

"General technical information" page V

For outline drawing see page 12

## Contact specification

| Contact configuration                   | 2 CO (DPDT)            | 3 CO (3PDT) | 2 NO (DPST-NO), $\geq 3$ mm* | 3 NO (3PST-NO), $\geq 3$ mm* |
|-----------------------------------------|------------------------|-------------|------------------------------|------------------------------|
| Rated current/Maximum peak current      | A 16/30**              |             | 16/30**                      |                              |
| Rated voltage/Maximum switching voltage | V AC 250/400           |             | 250/400                      |                              |
| Rated load AC1                          | VA 4000                |             | 4000                         |                              |
| Rated load AC15 (230 V AC)              | VA 750                 |             | 750                          |                              |
| Motor rating (230/400 V AC)             | kW 0.8/—               |             | 0.8/—                        |                              |
| Breaking capacity DC1: 30/110/220 V     | A 16/0.6/0.4           |             | 16/1.1/0.7                   |                              |
| Minimum switching load                  | mW (V/mA) 1000 (10/10) |             | 1000 (10/10)                 |                              |
| Standard contact material               | AgCdO                  |             | AgCdO                        |                              |

## Coil specification

|                                   |                 |                                                     |     |
|-----------------------------------|-----------------|-----------------------------------------------------|-----|
| Nominal voltage (U <sub>N</sub> ) | 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    | 2.2/1.3                                             | 3/3 |
| Operating range                   | AC              | (0.8...1.1)U <sub>N</sub>                           |     |
|                                   | DC              | (0.8...1.1)U <sub>N</sub>                           |     |
| Holding voltage                   | AC/DC           | 0.8 U <sub>N</sub> / 0.6 U <sub>N</sub>             |     |
| Must drop-out voltage             | AC/DC           | 0.2 U <sub>N</sub> / 0.1 U <sub>N</sub>             |     |

## Technical data

|                                                  |        |                                            |  |
|--------------------------------------------------|--------|--------------------------------------------|--|
| Mechanical life AC/DC                            | cycles | 10 · 10 <sup>6</sup> /30 · 10 <sup>6</sup> |  |
| Electrical life at rated load AC1                | cycles | 100 · 10 <sup>3</sup>                      |  |
| Operate/release time                             | ms     | 11/4                                       |  |
| Insulation between coil and contacts (1.2/50 µs) | kV     | 6                                          |  |
| Dielectric strength between open contacts        | V AC   | 1500                                       |  |
| Ambient temperature range                        | °C     | -40...+70                                  |  |
| Environmental protection                         |        | RT I                                       |  |

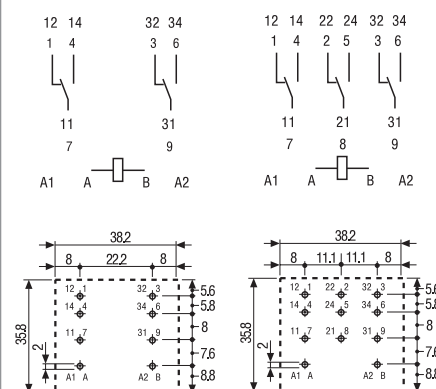
Approvals (according to type)



## 62.22/62.23



- 2 & 3 pole changeover contact
- PCB mount



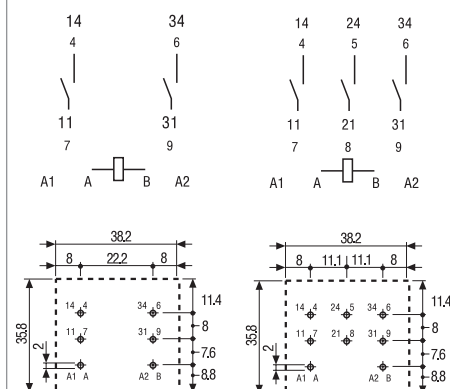
62.22  
Copper side view

62.23  
Copper side view

## 62.22-0300/62.23-0300



- 2 & 3 pole normally open contact ( $\geq 3$  mm contact gap)
- PCB mount



62.22 - 0300  
Copper side view

62.23 - 0300  
Copper side view

**Plug-in mount/Faston 187****16 A Power relay**

- Plug-in (92 series sockets) or Faston 187 (4.8 x 0.5 mm) with optional mounting adaptors
- 2 & 3 Pole changeover contacts or NO ( $\geq 3$  mm contact gap)
- AC coils & DC coils
- UL Listing (certain relay/socket combinations)
- LED, mechanical indicator & test button options
- Reinforced insulation between coil and contacts according to EN 60335-1, with 6 mm clearance & 8 mm creepage distance
- SELV coil-contact separator option
- Cadmium free contact material options
- Sockets and accessories
- European Patent

- \* Distance between contacts  $\geq 3$  mm (EN 60730-1).  
 \*\* With the  $\text{AgSnO}_2$  material the maximum peak current is 120 A - 5 ms (NO contact).

FOR UL RATINGS SEE:

"General technical information" page V

For outline drawing see page 12

**Contact specification**

| Contact configuration                   | 2 CO (DPDT)            | 3 CO (3PDT) | 2 NO (DPST-NO), $\geq 3$ mm* | 3 NO (3PST-NO), $\geq 3$ mm* |
|-----------------------------------------|------------------------|-------------|------------------------------|------------------------------|
| Rated current/Maximum peak current      | A 16/30**              |             | 16/30**                      |                              |
| Rated voltage/Maximum switching voltage | V AC 250/400           |             | 250/400                      |                              |
| Rated load AC1                          | VA 4000                |             | 4000                         |                              |
| Rated load AC15 (230 V AC)              | VA 750                 |             | 750                          |                              |
| Motor rating (230/400 V AC)             | kW 0.8/—               |             | 0.8/—                        |                              |
| Breaking capacity DC1: 30/110/220 V     | A 16/0.6/0.4           |             | 16/1.1/0.7                   |                              |
| Minimum switching load                  | mW (V/mA) 1000 (10/10) |             | 1000 (10/10)                 |                              |
| Standard contact material               | AgCdO                  |             | AgCdO                        |                              |

**Coil specification**

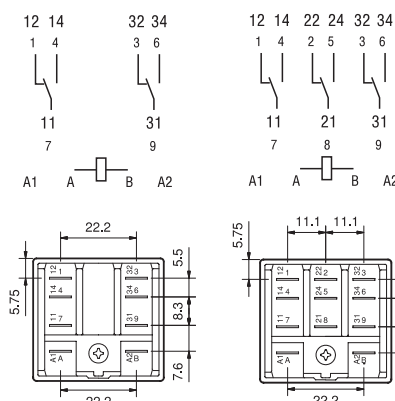
|                           |                 |                                                     |     |
|---------------------------|-----------------|-----------------------------------------------------|-----|
| Nominal voltage ( $U_N$ ) | V AC (50/60 Hz) | 6 - 12 - 24 - 48 - 60 - 110 - 120 - 230 - 240 - 400 |     |
|                           | V DC            | 6 - 12 - 24 - 48 - 60 - 110 - 125 - 220             |     |
| Rated power AC/DC         | VA (50 Hz)/W    | 2.2/1.3                                             | 3/3 |
| Operating range           | AC              | $(0.8 \dots 1.1) U_N$                               |     |
|                           | DC              | $(0.8 \dots 1.1) U_N$                               |     |
| 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 | $10 \cdot 10^6 / 30 \cdot 10^6$ |  |
| Electrical life at rated load AC1                            | cycles | $100 \cdot 10^3$                |  |
| Operate/release time                                         | ms     | 11/4                            |  |
| Insulation between coil and contacts (1.2/50 $\mu\text{s}$ ) | kV     | 6                               |  |
| Dielectric strength between open contacts                    | V AC   | 1500                            |  |
| Ambient temperature range                                    | °C     | -40...+70                       |  |
| Environmental protection                                     |        | RT I                            |  |

**Approvals** (according to type)**62.32/62.33**

- 2 & 3 pole changeover contact
- Plug-in/Faston 187

**62.32-0300/62.33-0300**

- 2 & 3 pole normally open contact ( $\geq 3$  mm contact gap)
- Plug-in/Faston 187

