

**Features**

**Flange mount/Faston 250  
16 A Power relay**

- Faston 250 (6.3x0.8 mm) termination Flange or optional mounting adaptors
- 2 & 3 Pole changeover contacts or NO ( $\geq 3$  mm contact gap)
- AC coils & DC coils
- 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
- European Patent

- \* Distance between contacts  $\geq 3$  mm (EN 60730-1).
- \*\* With the  $AgSnO_2$  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 10

**62.82 / 62.83**

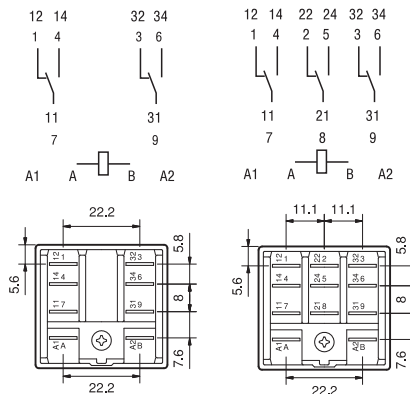


- 2 & 3 pole changeover contact
- Flange mount / Faston 250

**62.82-0300 / 62.83-0300**

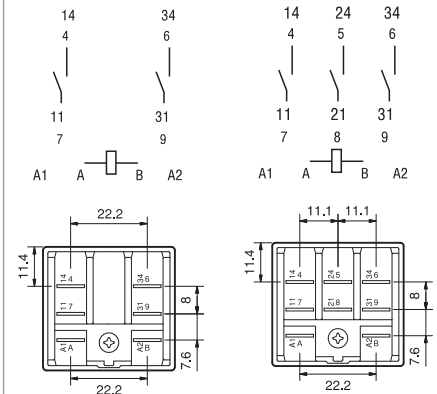


- 2 & 3 pole normally open contact ( $\geq 3$  mm contact gap)
- Flange mount / Faston 250



62.82

62.83



62.82-0300

62.83-0300

**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 4,000		4,000	
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) 1,000 (10/10)		1,000 (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	$(0.8...1.1)U_N$		$(0.85...1.1)U_N$
	DC	$(0.8...1.1)U_N$		$(0.85...1.1)U_N$
Holding voltage	AC/DC	0.8 $U_N$ /0.6 $U_N$		0.8 $U_N$ /0.6 $U_N$
Must drop-out voltage	AC/DC	0.2 $U_N$ /0.1 $U_N$		0.2 $U_N$ /0.1 $U_N$

**Technical data**

Mechanical life AC/DC	cycles	10 · 10 <sup>6</sup> /30 · 10 <sup>6</sup>		10 · 10 <sup>6</sup> /30 · 10 <sup>6</sup>
Electrical life at rated load AC1	cycles	100 · 10 <sup>3</sup>		100 · 10 <sup>3</sup>
Operate/release time	ms	11/4		15/3
Insulation between coil and contacts (1.2/50 $\mu$ s)	kV	6		6
Dielectric strength between open contacts	V AC	1,500		2,500
Ambient temperature range	°C	-40...+70		-40...+50
Environmental protection		RT I		RT I

**Approvals (according to type)**



**Features**

A

**Plug-in mount/Faston 187  
Magnetic blow power relay**

- Plug-in (92 series sockets) or Faston 187 (4.8x0.5 mm) with optional mounting adaptors
- 1 & 2 Pole NO contacts
- High DC load (resistive and inductive) switching capability
- DC coils
- Reinforced insulation between coil and contacts according to EN 60335-1, with 6 mm clearance & 8 mm creepage distance
- Cadmium Free contact material
- Sockets and accessories

**NEW 62.31-4800**

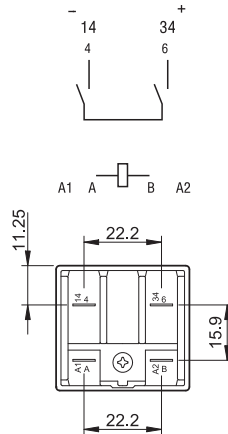


- 1 pole normally open contact (double break,  $\geq 4.2$  mm contact gap)
- Plug-in / Faston 187

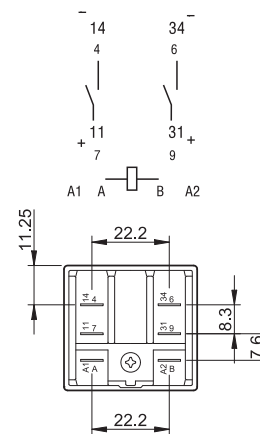
**NEW 62.32-4800**



- 2 pole normally open contact ( $\geq 2.1$  mm contact gap)
- Plug-in / Faston 187



62.31-4800



62.32-4800

\* Maximum peak current 120 A - 5 ms.

For outline drawing see page 10

<b>Contact specification</b>		62.31-4800	62.32-4800
Contact configuration		1 NO (SPST-NO) double break, $\geq 4.2$ mm	2 NO (DPST-NO), $\geq 2.1$ 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	4,000	4,000
Breaking capacity DC1: 30/125/220 V	A	16/16/12	16/12/6
Breaking capacity DC inductive (L/R = 40 ms): 30/125/220 V	A	16/5/3	10/2/1.2
Minimum switching load	mW (V/mA)	1,000 (10/10)	1,000 (10/10)
Standard contact material		AgSnO <sub>2</sub>	AgSnO <sub>2</sub>
<b>Coil specification</b>		6 - 12 - 24 - 48 - 60 - 110 - 125 - 220	
Nominal voltage (U <sub>N</sub> )	V DC		
Rated power DC	W	1.3	1.3
Operating range	DC	(0.85...1.1)U <sub>N</sub>	(0.85...1.1)U <sub>N</sub>
Holding voltage	DC	0.6 U <sub>N</sub>	0.6 U <sub>N</sub>
Must drop-out voltage	DC	0.1 U <sub>N</sub>	0.1 U <sub>N</sub>
<b>Technical data</b>			
Mechanical life DC	cycles	10 · 10 <sup>6</sup>	10 · 10 <sup>6</sup>
Electrical life at rated load DC1	cycles	100 · 10 <sup>3</sup>	100 · 10 <sup>3</sup>
Operate/release time	ms	16/5	16/5
Insulation between coil and contacts (1.2/50 μs)	kV	6	6
Dielectric strength between open contacts	V AC	3,000	2,000
Ambient temperature range	°C	-40...+70	-40...+70
Environmental protection		RT I	RT I

**Approvals** (according to type)

