

Flange mount/Faston 250

16 A Power relay

- Faston 250 (6.3 x 0.8 mm) termination Flange or optional mounting adaptors
- 2 & 3 Pole changeover contacts or NO (≥ 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 ≥ 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

Contact specification

Contact configuration		2 CO (DPDT)	3 CO (3PDT)	2 NO (DPST-NO), ≥ 3 mm*	3 NO (3PST-NO), ≥ 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/—	0.8/1.5	0.8/—	0.8/1.5
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	$(0.8 \dots 1.1) U_N$		$(0.85 \dots 1.1) U_N$	
	DC	$(0.8 \dots 1.1) U_N$		$(0.85 \dots 1.1) U_N$	
Holding voltage	AC/DC	$0.8 U_N / 0.6 U_N$		$0.8 U_N / 0.6 U_N$	
Must drop-out voltage	AC/DC	$0.2 U_N / 0.1 U_N$		$0.2 U_N / 0.1 U_N$	

Technical data

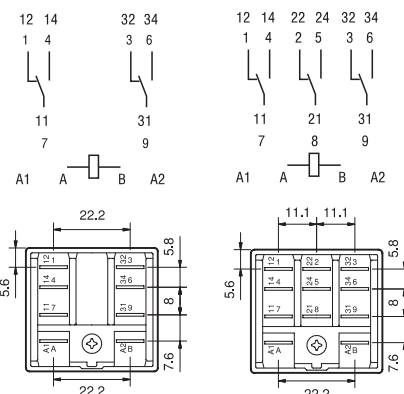
Mechanical life AC/DC	cycles	$10 \cdot 10^6 / 30 \cdot 10^6$		$10 \cdot 10^6 / 30 \cdot 10^6$	
Electrical life at rated load AC1	cycles	$100 \cdot 10^3$		$100 \cdot 10^3$	
Operate/release time	ms	11/4		15/3	
Insulation between coil and contacts (1.2/50 μ s)	kV	6		6	
Dielectric strength between open contacts	V AC	1500		3000	
Ambient temperature range	°C	-40...+70		-40...+50	
Environmental protection		RT I		RT I	

Approvals (according to type)

62.82/62.83



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



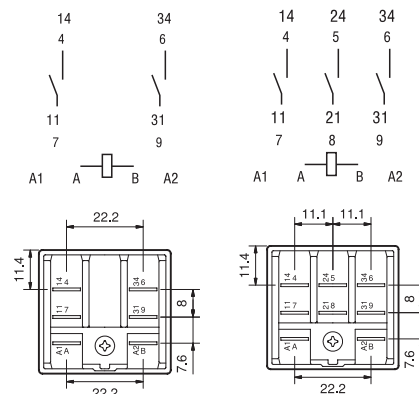
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62.82-0300/62.83-0300



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



62.82-0300

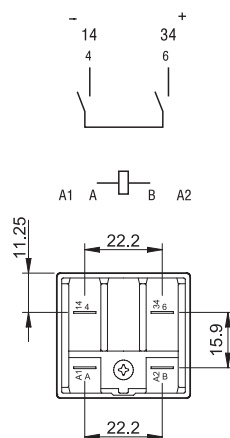
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**Plug-in mount/Faston 187
Magnetic blow power relay**

- Plug-in (92 series sockets) or Faston 187 (4.8 x 0.5 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

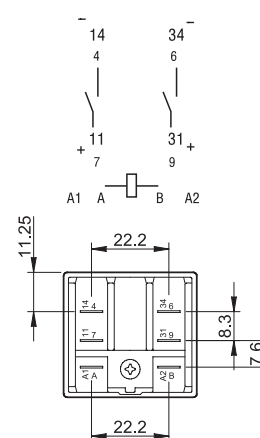
- 1 pole normally open contact (double break, ≥ 4.2 mm contact gap)
- Plug-in/Faston 187



62.31-4800

NEW 62.32-4800

- 2 pole normally open contact (double break, ≥ 2.1 mm contact gap)
- Plug-in/Faston 187



62.32-4800

* Maximum peak current 120 A - 5 ms.

For outline drawing see page 10

Contact specification

Contact configuration		1 NO (SPST-NO) double break, ≥ 4.2 mm	2 NO (DPST-NO), ≥ 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	4000	4000
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)	1000 (10/10)	1000 (10/10)
Standard contact material		AgSnO ₂	AgSnO ₂

Coil specification

Nominal voltage (U _N)	V DC	6 - 12 - 24 - 48 - 60 - 110 - 125 - 220	
Rated power DC	W	1.3	1.3
Operating range	DC	(0.85...1.1)U _N	(0.85...1.1)U _N
Holding voltage	DC	0.6 U _N	0.6 U _N
Must drop-out voltage	DC	0.1 U _N	0.1 U _N

Technical data

Mechanical life DC	cycles	10 · 10 ⁶	10 · 10 ⁶
Electrical life at rated load DC1	cycles	100 · 10 ³	100 · 10 ³
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	3000	2000
Ambient temperature range	°C	-40...+70	-40...+70
Environmental protection		RT I	RT I

Approvals (according to type)

