

Printed circuit mount

16 A Power relay

- 2 & 3 Pole changeover contacts or NO (≥ 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 ≥ 3 mm (EN 60730-1).

** With the AgSnO₂ 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), ≥ 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/—	
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...1.1)U _N	
	DC	(0.8...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 · 10 ⁶ /30 · 10 ⁶	10 · 10 ⁶ /30 · 10 ⁶
Electrical life at rated load AC1	cycles	100 · 10 ³	100 · 10 ³
Operate/release time	ms	11/4	15/3
Insulation between coil and contacts (1.2/50 µs)	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

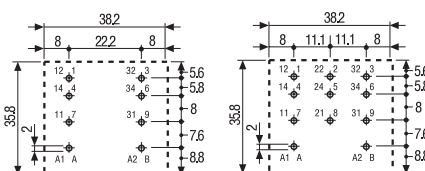
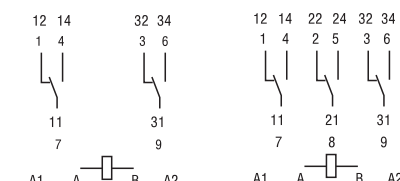
Approvals (according to type)



62.22/62.23



- 2 & 3 pole changeover contact
- PCB mount



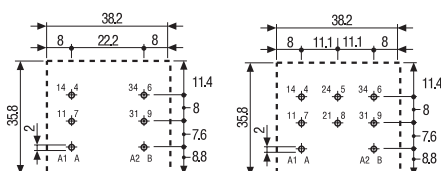
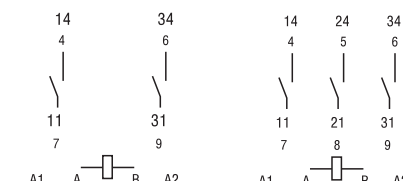
62.22
Copper side view

62.23
Copper side view

62.22-0300/62.23-0300



- 2 & 3 pole normally open contact (≥ 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 (≥ 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 ≥ 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 12

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/—	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

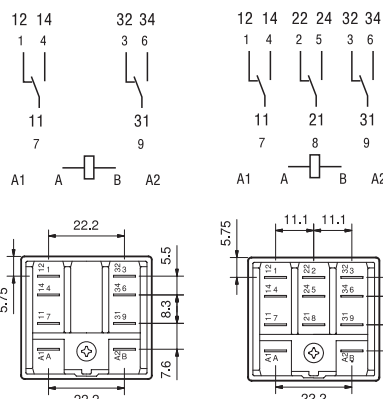
Nominal voltage (U_N)	V AC (50/60 Hz)	6 - 12 - 24 - 48 - 60 - 110 - 120 - 230 - 240 - 400		
	V DC	6 - 12 - 24 - 48 - 60 - 110 - 125 - 220		
Rated power AC/DC	VA (50 Hz)/W	2.2/1.3	3/3	
Operating range	AC	$(0.8 \dots 1.1) U_N$		$(0.85 \dots 1.1) U_N$
	DC	$(0.8 \dots 1.1) U_N$		$(0.85 \dots 1.1) U_N$
Holding 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 μs)	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)**62.32/62.33**

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

**62.32-0300/62.33-0300**

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

