

Features

Plug-in

12 A Power relay, 2 & 4 pole

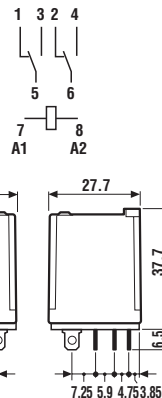
- Flange mount option - (Faston 187, 4.8x0.5 mm termination)
- AC coils & DC coils
- Lockable test button and mechanical flag indicator - standard on 2 pole types
- Cadmium Free contacts (preferred version)
- Contact material options
- 96 series sockets, coil EMC suppression, accessories

* For 4 CO (4PDT) only.

56.32



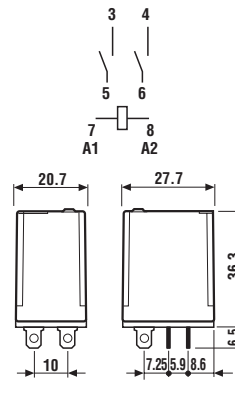
- 2 pole changeover contact
- Plug-in/Faston 187



56.32-0300



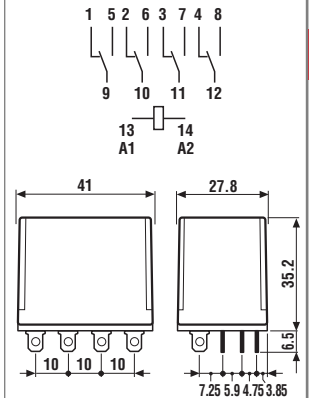
- 2 pole normally open contact (1.5 mm gap)
- Plug-in/Faston 187



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



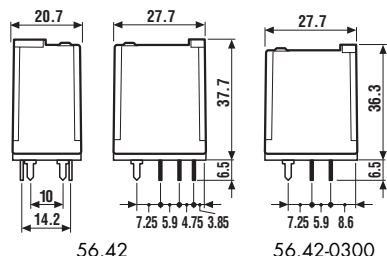
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Contact specification		56.32	56.32-0300	56.34
Contact configuration		2 CO (DPDT)	2 NO (DPST-NO) - 1.5 mm	4 CO (4PDT)
Rated current/Maximum peak current	A	12/20	12/20	12/20
Rated voltage/Maximum switching voltage V AC		250/400	250/400	250/400
Rated load AC1	VA	3,000	3,000	3,000
Rated load AC15 (230 V AC)	VA	500	500	500
Single phase motor rating (230 V AC)	kW	0.55	0.55	0.55
Breaking capacity DC1: 30/110/220 V	A	12/0.25/0.12	12/0.6/0.3	12/0.25/0.12
Minimum switching load	mW (V/mA)	500 (10/5)	500 (10/5)	500 (10/5)
Standard contact material		AgNi	AgNi	AgNi
Coil specification		56.32	56.32-0300	56.34
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	—	6-12-24-48-60-110-125-220
Rated power AC/DC	VA (50 Hz)/W	1.5/1	1.5/—	2/1.3
Operating range	AC	(0.8...1.1)U _N	(0.85...1.1)U _N	(0.8...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	0.85 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 /—	0.2 U _N /0.1 U _N
Technical data		56.32	56.32-0300	56.34
Mechanical life AC/DC	cycles	20 · 10 ⁶ /50 · 10 ⁶	20 · 10 ⁶ /—	20 · 10 ⁶ /50 · 10 ⁶
Electrical life at rated load AC1	cycles	200 · 10 ³	200 · 10 ³	150 · 10 ³
Operate/release time	ms	8/8	8/4	8/8
Insulation between coil and contacts (1.2/50 μs)	kV	4	4	5
Dielectric strength between open contacts	V AC	1,000	2,000	1,000
Ambient temperature range	°C	−40...+70	−40...+70	−40...+70
Environmental protection		RT I	RT I	RT I
Approvals (according to type)				

Features

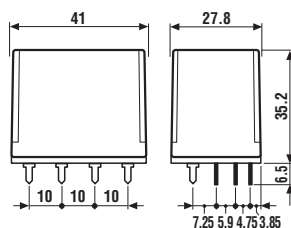
Printed circuit mount 12 A Power relay

- 2 & 4 pole
- AC coils & DC coils
- Cadmium Free contacts (preferred version)
- Contact material option



56.42

56.42-0300



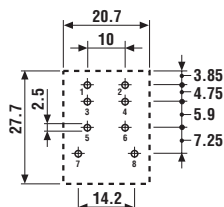
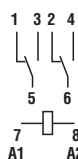
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* For 4 CO (4PDT) only

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- 2 pole changeover contact
- PCB mount

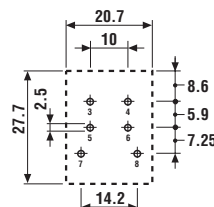
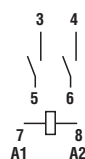


Copper side view

56.42-0300



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

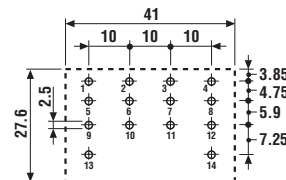
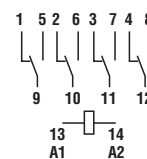


Copper side view

56.44



- 4 pole changeover contact
- PCB mount



Copper side view

Contact specification

Contact configuration		2 CO (DPDT)	2 NO (DPST-NO) 1.5 mm	4 CO (4PDT)
Rated current/Maximum peak current	A	12/20	12/20	12/20
Rated voltage/Maximum switching voltage	V AC	250/400	250/400	250/400
Rated load AC1	VA	3,000	3,000	3,000
Rated load AC15 (230 V AC)	VA	500	500	500
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Breaking capacity DC1: 30/110/220 V	A	12/0.25/0.12	12/0.6/0.3	12/0.25/0.12
Minimum switching load	mW (V/mA)	500 (10/5)	500 (10/5)	500 (10/5)
Standard contact material		AgNi	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	—	6-12-24-48-60-110-125-220
Rated power AC/DC	VA (50 Hz)/W	1.5/1	1.5/—	2/1.3
Operating range	AC	$(0.8...1.1)U_N$	$(0.85...1.1)U_N$	$(0.8...1.1)U_N$
	DC	$(0.8...1.1)U_N$	—	$(0.85...1.1)U_N$
Holding voltage	AC/DC	$0.8 U_N/0.6 U_N$	$0.85 U_N/—$	$0.8 U_N/0.6 U_N$
Must drop-out voltage	AC/DC	$0.2 U_N/0.1 U_N$	$0.2 U_N/—$	$0.2 U_N/0.1 U_N$

Technical data

Mechanical life AC/DC	cycles	$20 \cdot 10^6/50 \cdot 10^6$	$20 \cdot 10^6/—$	$20 \cdot 10^6/50 \cdot 10^6$
Electrical life at rated load AC1	cycles	$200 \cdot 10^3$	$200 \cdot 10^3$	$150 \cdot 10^3$
Operate/release time	ms	8/8	8/4	8/8
Insulation between coil and contacts (1.2/50 μ s)	kV	4	4	5
Dielectric strength between open contacts	V AC	1,000	2,000	1,000
Ambient temperature range	°C	-40...+70	-40...+70	-40...+70
Environmental protection		RT I	RT I	RT I

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