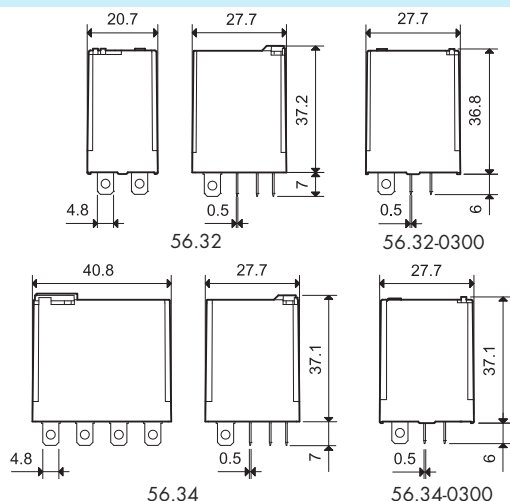


Features

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
- Cadmium Free contacts (standard version)
- Contact material options
- 96 series sockets
- Coil EMC suppression
- Accessories



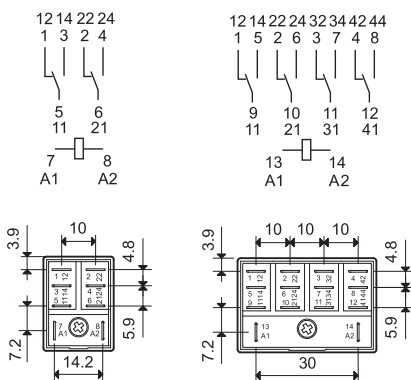
* For 4 CO (4PDT) or 4 NO only.

FOR UL HORSEPOWER AND PILOT DUTY RATINGS
SEE "General technical information" page V

56.32/56.34



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



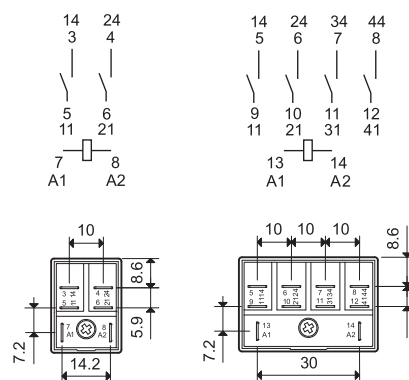
56.32

56.34

56.32-0300/56.34-0300



- 2 or 4 pole normally open contact (≥ 1.5 mm gap)
- Plug-in/Faston 187



56.32-0300

56.34-0300

Contact specification

Contact configuration	2 CO (DPDT)	4 CO (4PDT)	2NO (DPSTNO) - ≥ 1.5 mm gap	4NO (4PSTNO) - ≥ 1.5 mm gap
Rated current/Maximum peak current	A 12/20		12/20	
Rated voltage/Maximum switching voltage V AC	250/400		250/400	
Rated load AC1	VA 3,000		3,000	
Rated load AC15 (230 V AC)	VA 700		700	
Single phase motor rating (230 V AC)	kW 0.55		0.55	
Breaking capacity DC1: 30/110/220 V	A 12/0.5/0.25		12/1/0.5	
Minimum switching load	mW (V/mA) 500 (10/5)		500 (10/5)	
Standard contact material	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		—	
Rated power AC/DC	VA (50 Hz)/W	1.5/1	2/1.3	1.5/—	2/—
Operating range	AC	$(0.8...1.1)U_N$		$(0.85...1.1)U_N$	
	DC	$(0.8...1.1)U_N$		—	
Holding voltage	AC/DC	0.8 U_N /0.6 U_N		0.85 U_N /—	
Must drop-out voltage	AC/DC	0.2 U_N /0.1 U_N		0.2 U_N /—	

Technical data

Mechanical life AC/DC	cycles	20 · 10 ⁶ /50 · 10 ⁶		20 · 10 ⁶ /—	
Electrical life at rated load AC1	cycles	100 · 10 ³		100 · 10 ³	
Operate/release time	ms	8/8		8/4	
Insulation between coil and contacts (1.2/50 μ s)	kV	4	5	4	5
Dielectric strength between open contacts	V AC	1,000		2,000	
Ambient temperature range	°C	-40...+70		-40...+70	
Environmental protection		RT I		RT I	

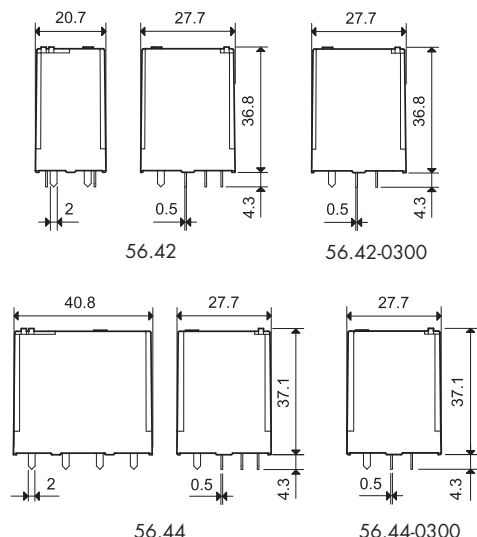
Approvals (according to type)



Features

Printed circuit mount 12 A Power relay

- 2 & 4 pole
- AC coils & DC coils
- Cadmium Free contacts (standard version)
- Contact material option
- RT III (wash tight) option available



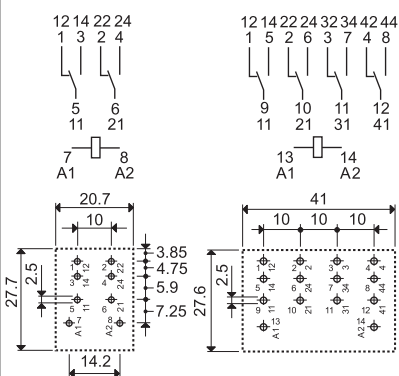
* For 4 CO (4PDT) or 4 NO only.

FOR UL HORSEPOWER AND PILOT DUTY RATINGS
SEE "General technical information" page V

56.42/56.44



- 2 or 4 pole changeover contact
- PCB mount



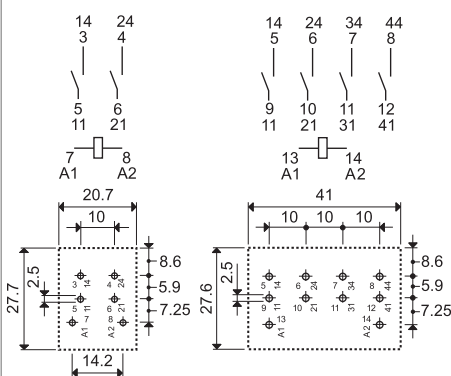
56.42
Copper side view

56.44
Copper side view

56.42-0300/56.44-0300



- 2 or 4 pole normally open contact
(≥ 1.5 mm gap)
- PCB mount



56.42-0300
Copper side view

56.44-0300
Copper side view

Contact specification					
Contact configuration		2 CO (DPDT)	4 CO (4PDT)	2NO (DPSTNO) - ≥1.5mm gap	4NO (4PSTNO) - ≥1.5mm gap
Rated current/Maximum peak current	A	12/20		12/20	
Rated voltage/Maximum switching voltage V AC		250/400		250/400	
Rated load AC1	VA	3,000		3,000	
Rated load AC15 (230 V AC)	VA	700		700	
Single phase motor rating (230 V AC)	kW	0.55		0.55	
Breaking capacity DC1: 30/110/220 V	A	12/0.5/0.25		12/1/0.5	
Minimum switching load	mW (V/mA)	500 (10/5)		500 (10/5)	
Standard contact material		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		—	
Rated power AC/DC	VA (50 Hz)/W	1.5/1	2/1.3	1.5/—	2/—
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		0.85 U _N /—	
Must drop-out voltage	AC/DC	0.2 U _N /0.1 U _N		0.2 U _N /—	
Technical data					
Mechanical life AC/DC	cycles	20 · 10 ⁶ /50 · 10 ⁶		20 · 10 ⁶ /—	
Electrical life at rated load AC1	cycles	100 · 10 ³		100 · 10 ³	
Operate/release time	ms	8/8		8/4	
Insulation between coil and contacts (1.2/50 μs)	kV	4	5	4	5
Dielectric strength between open contacts	V AC	1,000		2,000	
Ambient temperature range	°C	-40...+70		-40...+70	
Environmental protection		RT I		RT I	
Approvals (according to type)					

Ordering information

Example: 56 series plug-in relay, 2 CO (DPDT), 12 V DC coil, lockable test button and mechanical indicator.

Series	Type	No. of poles	Coil version	Coil voltage	A: Contact material	B: Contact circuit	C: Options	D: Special versions
56	3	2	9	0	1	2	0	0
							4	0

A: Contact material
 0 = Standard AgNi
 2 = AgCdO
 4 = AgSnO₂

B: Contact circuit
 0 = CO (nPDT)
 3 = NO (nPST), ≥ 1.5 mm contact gap

D: Special versions
 0 = Standard
 1 = Wash tight (RT III) for 56.42 and 56.44 only
 6 = Rear flange mount (4 pole only)
 8 = Rear 35 mm rail mount (4 pole only)
 For other mounting options see page 6

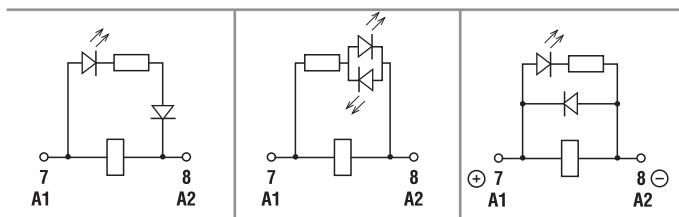
C: Options
 0 = None
 2 = Mechanical indicator
 3 = LED (AC)
 4 = Lockable test button+mechanical indicator
 5* = Lockable test button + LED (AC)
 54* = Lockable test button + LED (AC) + mechanical indicator
 6* = Double LED (DC non-polarized)
 7* = Lockable test button + double LED (DC non-polarized)
 74* = Lockable test button + double LED (DC non-polarized) + mechanical indicator
 8* = LED + diode (DC, polarity positive to pin 7) for 56.32 only
 9* = Lockable test button + LED + diode (DC, polarity positive to pin 7) for 56.32 only
 94* = Lockable test button + LED + diode (DC, polarity positive to pin 7) + mechanical indicator for 56.32 only
 * Options not available for 220 V DC and 400 V AC versions.

See coil specifications

Selecting features and options: only combinations in the same row are possible.
 Preferred selections for best availability are shown in **bold**.

Type	Coil version	A	B	C	D
56.32	AC	0 - 2 - 4	0	0 - 2 - 3 - 4 - 5	0
	AC	0 - 2 - 4	0	54	/
	AC	0 - 2 - 4	3	0 - 3 - 5	0
	DC	0 - 2 - 4	0	0 - 2 - 4 - 6 - 7 - 8 - 9	0
	DC	0 - 2 - 4	0	74 - 94	/
56.34	AC	0 - 2 - 4	0	0 - 2 - 3 - 4 - 5	0 - 6 - 8
	AC	0 - 2 - 4	0	54	/
	AC	0 - 2 - 4	0 - 3	0 - 3 - 5	0
	DC	0 - 2 - 4	0	0 - 2 - 4 - 6 - 7	0 - 6 - 8
	DC	0 - 2 - 4	0	74	/
56.42	DC	0 - 2 - 4	0	0	0 - 1
	AC	0 - 2 - 4	0 - 3	0	0 - 1
56.44	AC-DC	0 - 2 - 4	0	0	0 - 1
	AC	0 - 2 - 4	0 - 3	0	0 - 1

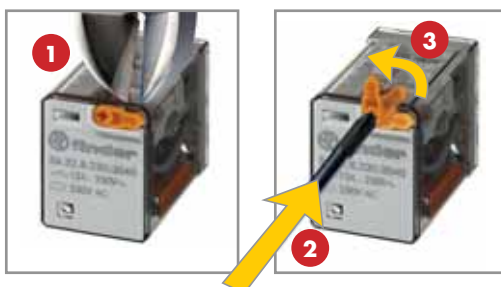
Descriptions: options and special versions



C: Option 3, 5, 54
LED (AC)

C: Option 6, 7, 74
Double LED
(DC non-polarized)

C: Option 8, 9, 94
LED + diode (DC, polarity positive to pin 7) - (56.32 only)



Lockable test button and mechanical flag indicator (0040, 0050, 0054, 0070, 0074, 0090, 0094)

The dual-purpose Finder test button can be used in two ways:

Case 1) The plastic pip (located directly above the test button) remains intact. In this case, when the test button is pushed, the contacts operate. When the test button is released the contacts return to their former state.

Case 2) The plastic pip is broken-off (using an appropriate cutting tool). In this case, (in addition to the above function), when the test button is pushed and rotated, the contacts are latched in the operating state, and remain so until the test button is rotated back to its former position.

In both cases ensure that the test button actuation is swift and decisive.