Features

1 & 2 Pole relay range 46.52 - 2 Pole 8 Å 46.61 - 1 Pole 16 A

- Socket mount or direct connection via Faston connectors
- AC coils & DC coils
- Available with: lockable test button, mechanical indicator & LED indicator
- 8 mm, 6 kV (1.2/50 µs) isolation, coil-contacts
- Cadmium Free contacts
- European Patent



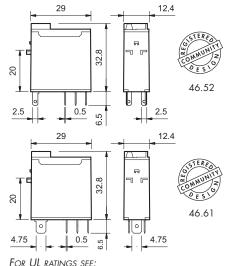
46.52

• 2 Pole CO, 8 A • Plug-in/Solder terminals



46.61

• 1 Pole CO, 16 A • Plug-in/Faston 187



8 2 3 4 A1 12 11 14 	5 2 4 3 A1 12 11 14
2.2 14.4 5 5	4.8 12.3 52 5.2

FOR UL RATINGS SEE: "General technical informati	on" page V			
Contact specification				
Contact configuration		2 CO (DPDT)	1 CO (SPDT)	
Rated current/Maximum per	ak current A	8/15	16/25 *	
Rated voltage/Maximum swite	ching voltage V AC	250/440	250/440	
Rated load AC1	VA	2,000 4,000		
Rated load AC15 (230 V A	.C) VA	350	750	
Single phase motor rating (2	230 V AC) kW	0.37	0.55	
Breaking capacity DC1: 30	/110/220 V A	6/0.5/0.15	12/0.5/0.15	
Minimum switching load	mW (V/mA)	300 (5/5)	300 (5/5)	
Standard contact material		AgNi	AgNi	
Coil specification				
Nominal voltage (U_N)	V AC (50/60 Hz)	12 - 24 - 48 - 110	- 120 - 230 - 240	
	V DC	12 - 24 - 48 - 110 - 125		
Rated power	VA/W	1.2/0.5	1.2/0.5	
Operating range	AC	(0.81.1)U _N	(0.81.1)U _N	
	DC	(0.731.1)U _N	(0.731.1)U _N	
Holding voltage	AC/DC	0.8U _N /0.4U _N	0.8U _N /0.4U _N	
Must drop-out voltage	AC/DC	0.2U _N /0.1U _N	0.2U _N /0.1U _N	
Technical data				
Mechanical life AC/DC	cycles	10 · 10 ⁶	10 · 10 ⁶	
Electrical life at rated load A	AC1 cycles	100 · 10³	100 · 10³	
Operate/release time	ms	10/3	15/5	
Insulation between coil and cor	ntacts (1.2/50 µs)kV	6 (8 mm)	6 (8 mm)	
Dielectric strength between o	pen contacts V AC	1,000	1,000	
Ambient temperature range	°C	-40 +70	-40 +70	
Environmental protection		RT II	RT II	
Approvals (according to typ	e)	C E ANG ((() () () () () () () () () () () () (RINA c Sus C	

 * With the AgSnO $_2$ material the maximum peak current is 80 A - 5 ms on normally open contact.

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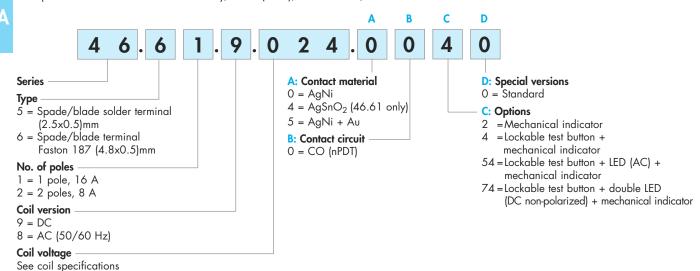


46 Series - Miniature industrial relays 8 - 16 A

finder

Ordering information

Example: 46 series Miniature industrial relay, 1 CO (SPDT), 24 V DC coil, lockable test button and mechanical indicator.

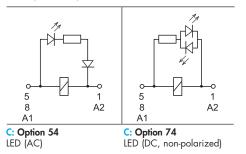


Selecting features and options: only combinations in the same row are possible. Preferred selections for best availability are shown in **bold**.

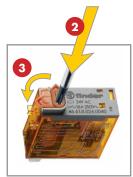
Туре	Coil version	Α	В	С	D
46.52	AC - DC	0 - 5	0	2 - 4	0
	AC	0 - 5	0	54	/
	DC	0 - 5	0	74	/
46.61	AC - DC	0 - 4 - 5	0	2 - 4	0
	AC	0 - 4 - 5	0	54	/
	DC	0 - 4 - 5	0	74	/

Special versions for Rail Applications on request

Descriptions: Options

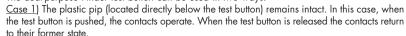






Lockable test button and mechanical flag indicator (0040, 0054, 0074)

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



<u>Case 2</u>) 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.