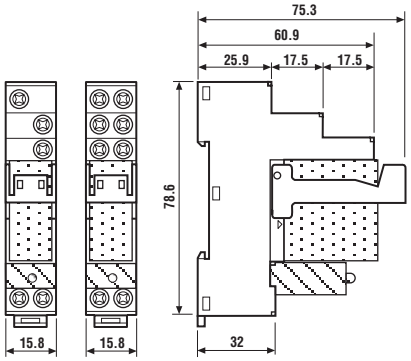
Features

1 & 2 Pole relay interface modules, 15.8 mm wide.

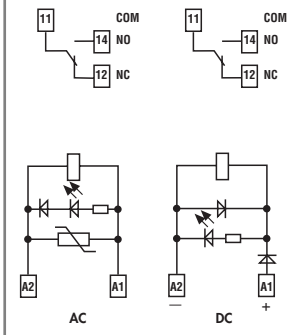
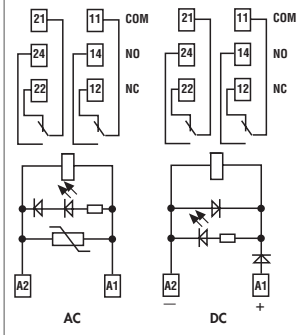
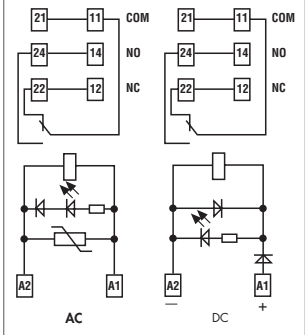
Ideal interface for PLC and electronic systems

48.31 - 1 Pole 10 A
48.52 - 2 Pole 8 A
48.61 - 1 Pole 16 A

- AC coils or DC sensitive coils
- Instant ejection of relay using plastic retaining clip
- Supply status indication and EMC coil suppression module as standard
- Identification label
- UL Listed
- 35 mm rail (EN 50022) mounting



48.31 48.52/61

	48.31	48.52	48.61
			
	• 1 pole 10 A • 35 mm rail mounting	• 2 pole 8 A • 35 mm rail mounting	• 1 pole 16 A • 35 mm rail mounting
			
Contact specification			
Contact configuration	1 CO (SPDT)	2 CO (DPDT)	1 CO (SPDT)
Rated current/Maximum peak current A	10/20	8/15	16/30
Rated voltage/Maximum switching voltage V AC	250/400	250/250	250/400
Rated load AC1 VA	2,500	2,000	4,000
Rated load AC15 (230 V AC) VA	500	400	750
Single phase motor rating (230 V AC) kW	0.37	0.3	0.55
Breaking capacity DC1: 30/110/220V A	10/0.3/0.12	8/0.3/0.12	16/0.3/0.12
Minimum switching load mW (V/mA)	300 (5/5)	300 (5/5)	500 (10/5)
Standard contact material	AgNi	AgNi	AgCdO
Coil specification			
Nominal voltage (U_N) V AC (50/60 Hz)	12 - 24 - 110 - 120 - 230	12 - 24 - 110 - 120 - 230	12 - 24 - 110 - 120 - 230
V DC	12 - 24 - 125	12 - 24 - 125	12 - 24 - 125
Rated power AC/sens. DC VA (50 Hz)/W	1.2/0.5	1.2/0.5	1.2/0.5
Operating range AC	(0.8...1.1)U_N	(0.8...1.1)U_N	(0.8...1.1)U_N
sens. DC	(0.73...1.75)U_N	(0.73...1.75)U_N	(0.8...1.5)U_N
Holding voltage AC/DC	0.8 U_N /0.4 U_N	0.8 U_N /0.4 U_N	0.8 U_N /0.4 U_N
Must drop-out voltage AC/DC	0.2 U_N /0.1 U_N	0.2 U_N /0.1 U_N	0.2 U_N /0.1 U_N
Technical data			
Mechanical life AC/DC cycles	10 · 10^6/20 · 10^6	10 · 10^6/—	10 · 10^6/20 · 10^6
Electrical life at rated load AC1 cycles	200 · 10^3	100 · 10^3	100 · 10^3
Operate/release time ms	7/4 (AC) - 12/12 (DC)	7/4 (AC) - 12/12 (DC)	7/4 (AC) - 12/12 (DC)
Insulation between coil and contacts (1.2/50 µs) kV	6 (8 mm)	6 (8 mm)	6 (8 mm)
Dielectric strength between open contacts V AC	1,000	1,000	1,000
Ambient temperature range °C	–40...+70	–40...+70	–40...+70
Protection category	IP 20	IP 20	IP 20
Approvals relay (according to type)	ABS RINA	ABS RINA	ABS RINA

48

Features

2 Pole relay interface module, 15.8 mm wide.

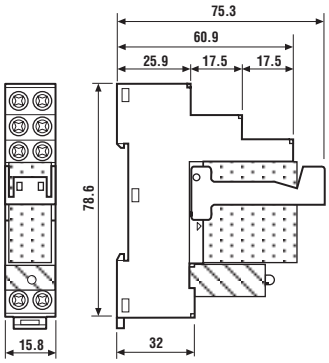
Ideal interface for PLC and electronic systems

48.62 - 2 Pole 10 A

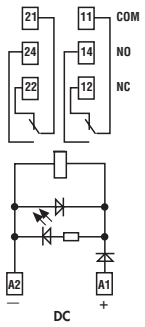
- DC sensitive coil
- Instant ejection of relay using plastic retaining clip
- Supply status indication and EMC coil suppression module as standard
- Identification label
- Cadmium Free contacts
- UL Listed
- 35 mm rail (EN 50022) mounting

48.62

- 2 pole 10 A
- 35 mm rail mounting



48.62



48

Contact specification		
Contact configuration		2 CO (DPDT)
Rated current/Maximum peak current	A	10/20
Rated voltage/Maximum switching voltage	V AC	250/400
Rated load AC1	VA	2,500
Rated load AC15 (230 V AC)	VA	500
Single phase motor rating (230 V AC)	kW	0.37
Breaking capacity DC1: 30/110/220V	A	10/0.3/0.12
Minimum switching load	mW (V/mA)	300 (5/5)
Standard contact material		AgNi
Coil specification		
Nominal voltage (U_N)	V AC (50/60 Hz)	—
	V DC	12 - 24 - 125
Rated power AC/sens. DC	VA (50 Hz)/W	—/0.5
Operating range	AC	—
	sens. DC	(0.8...1.5)U_N
Holding voltage	AC/DC	—/0.4 U_N
Must drop-out voltage	AC/DC	—/0.1 U_N
Technical data		
Mechanical life AC/DC	cycles	—/20 · 10^6
Electrical life at rated load AC1	cycles	100 · 10^3
Operate/release time	ms	12/12 (DC)
Insulation between coil and contacts (1.2/50 µs)	kV	6 (8 mm)
Dielectric strength between open contacts	V AC	1,000
Ambient temperature range	°C	–40...+70
Protection category		IP 20
Approvals relay (according to type)		