

Features

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

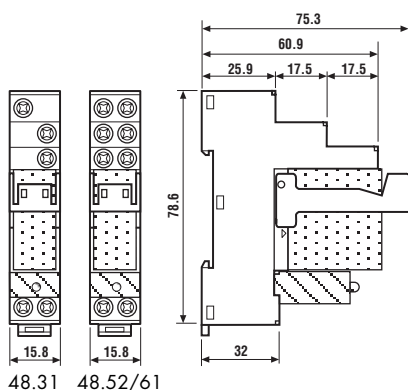
Ideal interface for PLC and electronic systems

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



- 1 pole 10 A
- 35 mm rail mounting

48.52

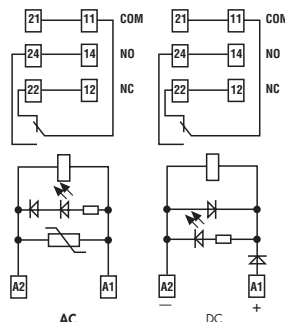
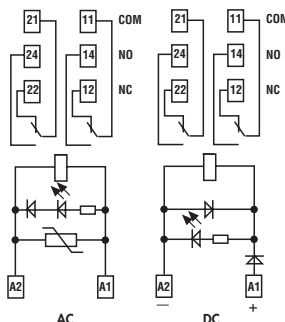
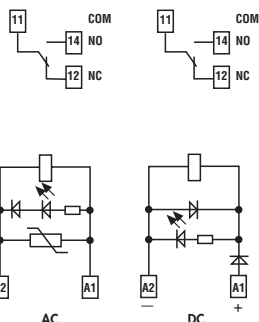


- 2 pole 8 A
- 35 mm rail mounting

48.61



- 1 pole 16 A
- 35 mm rail mounting



48

Contact specification		48.31	48.52	48.61
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		48.31	48.52	48.61
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	$(0.8 \dots 1.1) U_N$	$(0.8 \dots 1.1) U_N$	$(0.8 \dots 1.1) U_N$
	sens. DC	$(0.73 \dots 1.75) U_N$	$(0.73 \dots 1.75) U_N$	$(0.8 \dots 1.5) U_N$
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		48.31	48.52	48.61
Mechanical life AC/DC	cycles	$10 \cdot 10^6 / 20 \cdot 10^6$	$10 \cdot 10^6 / —$	$10 \cdot 10^6 / 20 \cdot 10^6$
Electrical life at rated load AC1	cycles	$200 \cdot 10^3$	$100 \cdot 10^3$	$100 \cdot 10^3$
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 μ s)	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)				

Features

2 Pole relay interface module,
15.8 mm wide.

Ideal interface for PLC and electronic systems

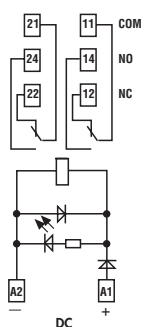
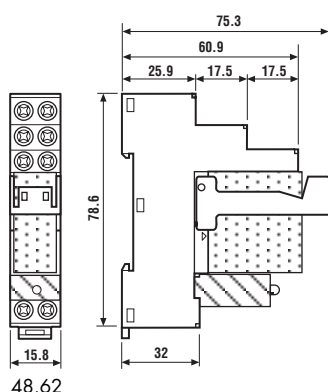
48.62 - 2 Pole 10 A

- 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



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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 μ s)	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)

