

Features

1 & 2 Pole relay interface modules,
15.8 mm wide

Ideal interface for PLC and electronic systems

48.61 - 1 Pole 16 A (screw terminal)
48.81 - 1 Pole 16 A (screwless terminal)
48.62 - 2 Pole 10 A (screw terminal)
48.82 - 2 Pole 10 A (screwless terminal)

- 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 Listing (certain relay/socket combinations)
- 35 mm rail (EN 60715) mounting

48.61 / 48.62
Screw terminal



48.81 / 48.82
Screwless terminal



For outline drawing see page 7

Contact specification

Contact configuration	1 CO (SPDT)	2 CO (DPDT)
Rated current/Maximum peak current A	16*/30	10/20
Rated voltage/Maximum switching voltage V AC	250/400	250/400
Rated load AC1 VA	4,000	2,500
Rated load AC15 (230 V AC) VA	750	500
Single phase motor rating (230 V AC) kW	0.55	0.37
Breaking capacity DC1: 30/110/220V A	16/0.3/0.12	10/0.3/0.12
Minimum switching load mW (V/mA)	500 (10/5)	300 (5/5)
Standard contact material	AgCdO	AgNi

Coil specification

Nominal voltage (U_N)	V AC (50/60 Hz)	12 - 24 - 110 - 120 - 230	—
	V DC	12 - 24 - 125	12 - 24 - 125
Rated power AC/sens. DC VA (50 Hz)/W		1.2/0.5	—/0.5
Operating range	AC	(0.8...1.1) U_N	—
	sens. DC	(0.8...1.5) U_N	(0.8...1.5) U_N
Holding voltage AC/DC		0.8 U_N / 0.4 U_N	—/0.4 U_N
Must drop-out voltage AC/DC		0.2 U_N / 0.1 U_N	—/0.1 U_N

Technical data

Mechanical life AC/DC	cycles	10 · 10 ⁶ /20 · 10 ⁶	—/20 · 10 ⁶
Electrical life at rated load AC1	cycles	100 · 10 ³	100 · 10 ³
Operate/release time	ms	7/4 (AC) - 12/12 (DC)	12/12 (DC)
Insulation between coil and contacts (1.2/50 μ s)	kV	6 (8 mm)	6 (8 mm)
Dielectric strength between open contacts	V AC	1,000	1,000
Ambient temperature range	°C	−40...+70	−40...+70
Protection category		IP 20	IP 20

Approvals relay (according to type)

