

Features

Ultra-slim 1 Pole - 6 A relay

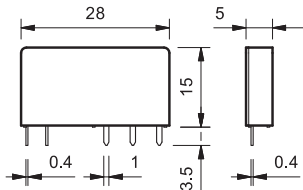
Printed circuit mount

- direct or via PCB socket

35 mm rail mount

- via screw or screwless sockets

- 1 Pole changeover contacts or 1 Pole normally open contact
- Ultra slim, 5 mm, package
- Sensitive DC coil - 170 mW (Dual AC/DC coil drive possible using 93 series sockets)
- UL Listing (certain relay/socket combinations)
- Cadmium Free contact materials
- 8/8 mm clearance/creepage distance
- 6 kV (1.2/50 μ s) insulation, coil-contacts

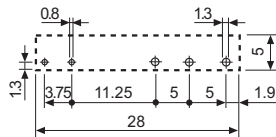
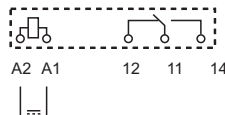


FOR UL HORSEPOWER AND PILOT DUTY RATINGS
SEE "General technical information" page V

34.51



- 5 mm wide
- Low coil power
- PCB or 93 series sockets



Copper side view

Contact specification

Contact configuration		1 CO (SPDT)
Rated current/Maximum peak current	A	6/10
Rated voltage/Maximum switching voltage V AC		250/400
Rated load AC1	VA	1,500
Rated load AC15 (230 V AC)	VA	300
Single phase motor rating (230 V AC)	kW	0.185
Breaking capacity DC1: 30/110/220 V	A	6/0.2/0.12
Minimum switching load	mW (V/mA)	500 (12/10)
Standard contact material		AgNi

Coil specification

Nominal voltage (U_N)	V AC (50/60 Hz)	—
	V DC	5 - 12 - 24 - 48 - 60
Rated power AC/DC	VA (50 Hz)/W	—/0.17
Operating range	AC	—
	DC	$(0.7 \dots 1.5)U_N$
Holding voltage	AC/DC	—/0.4 U_N
Must drop-out voltage	AC/DC	—/0.05 U_N

Technical data

Mechanical life AC/DC	cycles	—/10 · 10 ⁶
Electrical life at rated load AC1	cycles	60 · 10 ³
Operate/release time	ms	5/3
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...+85
Environmental protection		RT II

Approvals (according to type)



Features

Ultra-slim - Solid State Relays

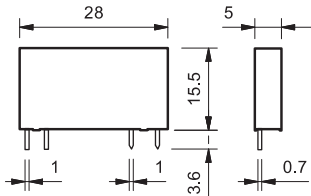
Printed circuit mount

- direct or via PCB socket

35 mm rail mount

- via screw or screwless sockets

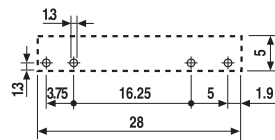
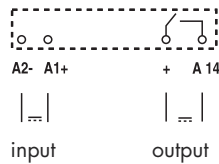
- Single circuit output switching options
 - 2 A 24 V DC
 - 0.1 A 48 V DC
 - 2 A 240 V AC
- Silent, high speed switching with long electrical life
- Ultra slim, 5 mm, package
- Sensitive DC Input circuits (Dual AC/DC input drive possible using 93 series sockets)
- UL Listing (certain relay/socket combinations)
- Wash tight: RT III
- 2,500 V insulation, input-output



34.81-9024



- 2 A, 24 V DC output switching
- PCB or 93 series sockets

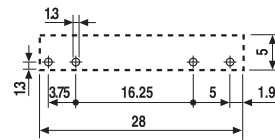
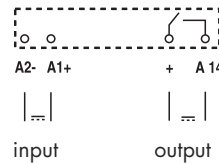


Copper side view

34.81-7048



- 0.1 A, 48 V DC output switching
- PCB or 93 series sockets

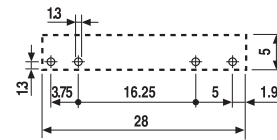
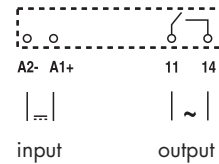


Copper side view

34.81-8240



- 2 A, 240 V AC output switching
- Zero crossing switching
- PCB or 93 series sockets



Copper side view

Output circuit									
Contact configuration		1 NO (SPST-NO)			1 NO (SPST-NO)		1 NO (SPST-NO)		
Rated current/Maximum peak current (10 ms) A		2/20			0.1/0.5		2/40		
Rated voltage/Maximum blocking voltage V		(24/33)DC			(48/60)DC		(240/275)AC		
Switching voltage range V		(1.5...24)DC			(1.5...48)DC		(12...240)AC		
Minimum switching current mA		1			0.05		22		
Max. "OFF-state" leakage current mA		0.001			0.001		1.5		
Max. "ON-state" voltage drop V		0.12			1		1.6		
Input circuit									
Nominal voltage V DC		5	24	60	24	60	5	24	60
Rated power AC/DC W		0.035	0.17	0.18	0.17	0.18	0.060	0.17	0.18
Operating range V DC		3.5...12	16...30	35...72	16...30	35...72	3.5...10	16...30	35...72
Control current mA		7	7	3	7	3	12	7	3
Release voltage V DC		1	10	20	10	20	1	10	20
Impedance Ω		715	3,200	21,300	3,200	21,300	416	3,200	21,300
Technical data									
Operate/release time ms		0.1/0.6*			0.04/0.6*		12/12*		
Dielectric strength between input/output V		2,500			2,500		2,500		
Ambient temperature range °C		-20...+60			-20...+60		-20...+60		
Environmental protection		RT III			RT III		RT III		
Approvals (according to type)									

* Note: all technical data relates to using the relay directly on PCB or PCB socket type 93.11.
If the relay is use with 35 mm rail socket types 93.01, 93.21 or 93.51, refer to the technical data of 38 Series.