

Features

2 Pole relay range

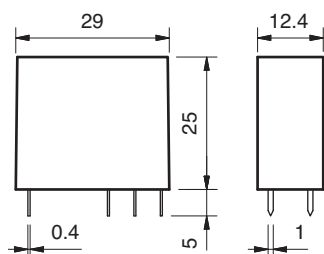
44.52 - 2 Pole 6 A (5 mm pin pitch)

44.62 - 2 Pole 10 A (5 mm pin pitch)

PCB mount - direct or via PCB socket

35 mm rail mount - via screw and screwless sockets

- High physical separation between adjacent contacts
- DC coils (Standard or sensitive)
- Cadmium Free contact materials
- 8 mm, 6 kV (1.2/50 μ s) isolation, coil-contacts
- UL Listing (certain relay/socket combinations)
- Flux proof: RT II
- 95 series sockets
- Coil EMC suppression
- Timer accessories 86 series

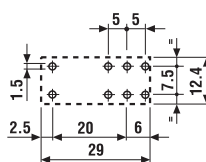
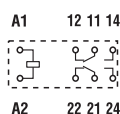


FOR UL HORSEPOWER AND PILOT DUTY RATINGS
SEE "General technical information" page V

44.52



- 2 Pole, 6 A
- 5 mm contact pin pitch
- PCB or 95 series sockets

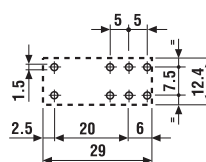
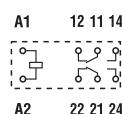


Copper side view

44.62



- 2 Pole, 10 A
- 5 mm contact pin pitch
- PCB or 95 series sockets



Copper side view

Contact specification

Contact configuration	2 CO (DPDT)	2 CO (DPDT)
Rated current/Maximum peak current A	6/10	10/20
Rated voltage/Maximum switching voltage V AC	250/400	250/400
Rated load AC1 VA	1,500	2,500
Rated load AC15 (230 V AC) VA	250	500
Single phase motor rating (230 V AC) kW	0.185	0.37
Breaking capacity DC1: 30/110/220 V A	6/0.3/0.13	10/0.3/0.13
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)	—	—
V DC	6 - 9 - 12 - 14 - 24 - 28 - 48 - 60 - 110 - 125	—
Rated power AC/DC/sens. DC VA (50 Hz)/W/W	—/0.65/0.5	—/0.65/0.5
Operating range AC	—	—
DC/sens. DC	(0.73...1.5) U_N /(0.73...1.7) U_N	(0.73...1.5) U_N /(0.8...1.7) U_N
Holding voltage AC/DC	—/0.4 U_N	—/0.4 U_N
Must drop-out voltage AC/DC	—/0.1 U_N	—/0.1 U_N

Technical data

Mechanical life AC/DC cycles	—/20 · 10 ⁶	—/20 · 10 ⁶
Electrical life at rated load AC1 cycles	150 · 10 ³	100 · 10 ³
Operate/release time ms	8/5 - (12/5 sensitive)	8/5 - (12/5 sensitive)
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...+85	−40...+85
Environmental protection	RT II	RT II

Approvals (according to type)



Ordering information

Example: 44 series PCB relay, 2 CO (DPDT) 10 A contacts, 24 V DC coil.

4	4	.	6	.	2	.	9	.	0	2	4	.	0	0	0	0
												A		B	C	D

Series _____

Type _____
5 = PCB - 5 mm pinning
6 = PCB - 5 mm pinning

No. of poles _____
2 = 2 pole for
44.52, 6 A
44.62, 10 A

Coil version _____
7 = Sensitive DC
9 = DC

Coil voltage _____
See coil specifications

A: Contact material
0 = Standard AgNi
4 = AgSnO₂
for 44.62 only
5 = AgNi + Au (5 µm)
for 44.52 only

B: Contact circuit
0 = CO (DPDT)

D: Special versions
0 = Flux proof (RT II)

C: Options
0 = None

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

Type	Coil version	A	B	C	D
44.52	DC - sens. DC	0 - 5	0	0	0
44.62	DC - sens. DC	0 - 4	0	0	0

Technical data

Insulation according to EN 61810-1				
Nominal voltage of supply system		V AC	230/400	
Rated insulation voltage		V AC	250	400
Pollution degree			3	2
Insulation between coil and contact set				
Type of Insulation		Reinforced (8 mm)		
Overvoltage category		III		
Rated impulse voltage		kV (1.2/50 µs)	6	
Dielectric strength		V AC	4,000	
Insulation between adjacent contacts				
Type of insulation		Basic		
Overvoltage category		III		
Rated impulse voltage		kV (1.2/50 µs)	4	
Dielectric strength		V AC	2,500	
Insulation between open contacts				
Type of disconnection		Micro-disconnection		
Dielectric strength		V AC/kV (1.2/50 µs)	1,000/1.5	
Conducted disturbance immunity				
Burst (5...50)ns, 5 kHz, on A1 - A2		EN 61000-4-4		level 4 (4 kV)
Surge (1.2/50 µs) on A1 - A2 (differential mode)		EN 61000-4-5		level 3 (2 kV)
Other data				
Bounce time: NO/NC		ms	4/4	
Vibration resistance (5...55)Hz: NO/NC		g	15/12	
Shock resistance		g	16	
Power lost to the environment		without contact current	W	0.6
		with rated current	W	1.2 (44.52) 2.7 (44.62)
Recommended distance between relays mounted on PCB		mm	≥ 5	