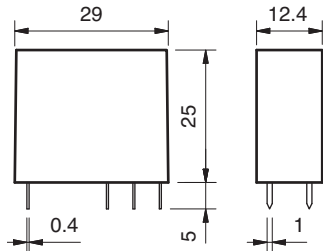


Features

- 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 μs) isolation, coil-contacts
 - UL Listing (certain relay/socket combinations)
 - Flux proof: RT II
 - 95 series sockets
 - Coil EMC suppression
 - Timer accessories 86 series

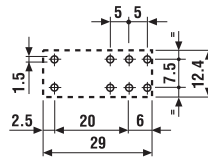
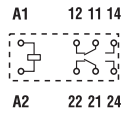


FOR UL HORSEPOWER AND PILOT DUTY RATINGS
 SEE "General technical information" page V

44.52



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

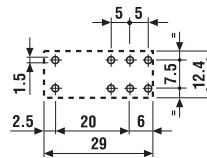
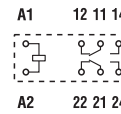


Copper side view

44.62



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

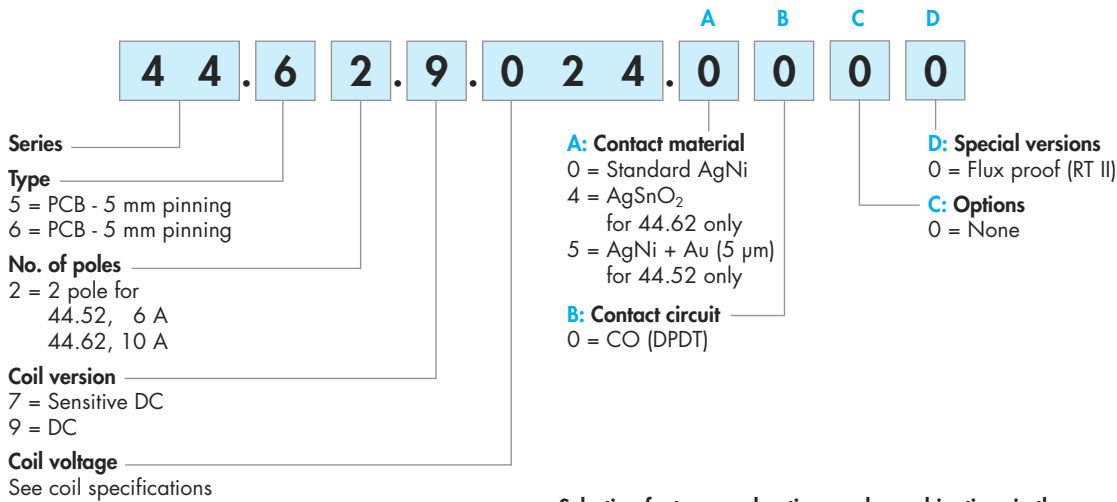


Copper side view

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 μs)	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.



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			