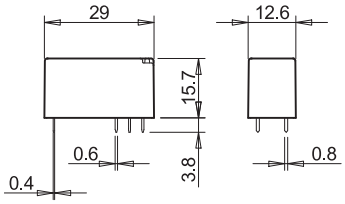
Features

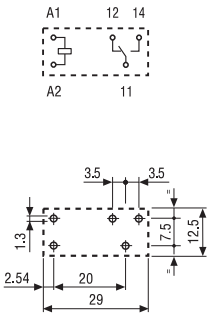
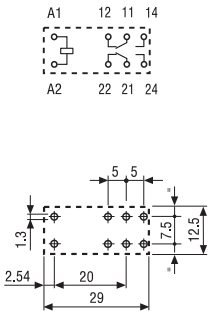
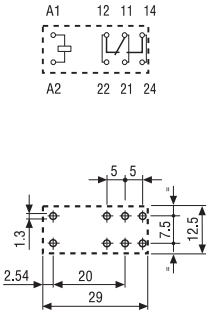
1 & 2 Pole - Low profile (15.7 mm height)
41.31 - 1 Pole 12 A (3.5 mm pin pitch)
41.52 - 2 Pole 8 A (5 mm pin pitch)
41.61 - 1 Pole 16 A (5 mm pin pitch)

PCB mount
- direct or via PCB socket
35 mm rail mount
- via screw and screwless sockets

- AC and DC coils
- 8 mm, 6 kV (1.2/50 µs) isolation, coil-contacts
- Cadmium Free contact materials
- Flux proof: RT II standard, (RT III option)



FOR UL RATINGS SEE:
"General technical information" page V

	41.31	41.52	41.61
			
	• 3.5 mm contact pin pitch • 1 Pole 12 A • PCB direct or via socket	• 5 mm contact pin pitch • 2 Pole 8 A • PCB direct or via socket	• 5 mm contact pin pitch • 1 Pole 16 A • PCB direct or via socket
			
	Copper side view	Copper side view	Copper side view

Contact specification				
Contact configuration			1 CO (SPDT)	2 CO (DPDT)	1 CO (SPDT)
Rated current/Maximum peak current		A	12/25	8/15	16/30
Rated voltage/Maximum switching voltage		V AC	250/400	250/400	250/400
Rated load AC1		VA	3,000	2,000	4,000
Rated load AC15 (230 V AC)		VA	600	400	750
Single phase motor rating (230 V AC)		kW	0.5	0.3	0.5
Breaking capacity DC1: 30/110/220 V		A	12/0.3/0.12	8/0.3/0.12	16/0.3/0.12
Minimum switching load		mW (V/mA)	300 (5/5)	300 (5/5)	300 (5/5)
Standard contact material			AgNi	AgNi	AgNi
Coil specification				
Nominal voltage (U_N)	V AC (50/60 Hz)		24 - 115 - 230	24 - 115 - 230	24 - 115 - 230
	V DC		5 - 6 - 12 - 24 - 48 - 60 - 110	5 - 6 - 12 - 24 - 48 - 60 - 110	5 - 6 - 12 - 24 - 48 - 60 - 110
Rated power AC/DC	VA (50 Hz)/W		0.75/0.4	0.75/0.4	0.75/0.4
Operating range	AC		$(0.8...1.1)U_N$	$(0.8...1.1)U_N$	$(0.8...1.1)U_N$
	DC		$(0.7...1.5)U_N$	$(0.7...1.5)U_N$	$(0.7...1.5)U_N$
Holding voltage	AC/DC		$0.8/0.4U_N$	$0.8/0.4\ U_N$	$0.8/0.4\ U_N$
Must drop-out voltage	AC/DC		$0.15/0.1U_N$	$0.15/0.1\ U_N$	$0.15/0.1\ U_N$
Technical data				
Mechanical life AC/DC		cycles	$10{\cdot}10^6/10{\cdot}10^6$	$10{\cdot}10^6/10{\cdot}10^6$	$10{\cdot}10^6/10{\cdot}10^6$
Electrical life at rated load AC1		cycles	$60 \cdot 10^3$	$60 \cdot 10^3$	$50 \cdot 10^3$
Operate/release time		ms	8/6	8/6	8/6
Insulation between coil and contacts (1.2/50 µs)		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 (AC); +85 (DC)	–40...+70 (AC); +85 (DC)	–40...+70 (AC); +85 (DC)
Environmental protection			RT II	RT II	RT II
Approvals (according to type)			EAC PG RINA cULus VDE		

41 Series - Bistable low profile PCB relays 8 - 16 A

finder

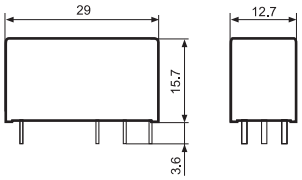
Features

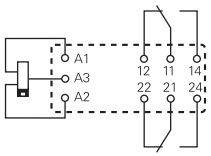
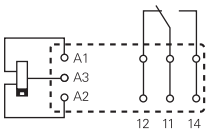
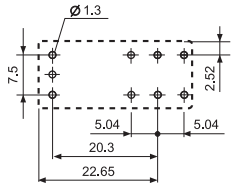
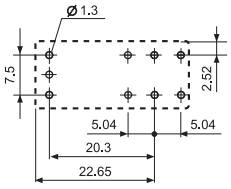
A

1 & 2 Pole - Polarized bistable, Low profile (15.7 mm height)
41.52 - 2 Pole 8 A (5 mm pin pitch)
41.61 - 1 Pole 16 A (5 mm pin pitch)

Printed Circuit mount

- Polarized bistable relay with 2 coils
- 10 mm, 6 kV (1.2/50μs) isolation, coil-contacts
- Cadmium Free contact materials
- Flux proof: RT II standard



	41.52.6.xxx	41.61.6.xxx
		
	• 2 Pole, 8 A • PCB direct mount	• 1 Pole, 16 A • PCB direct mount
	 2 coil version: A3(+) A2 (–) = Set A3(+) A1 (–) = Reset	 2 coil version: A3(+) A2 (–) = Set A3(+) A1 (–) = Reset
	 Copper side view	 Copper side view
Contact specification		
Contact configuration	2 CO (DPDT)	1 CO (SPDT)
Rated current/Maximum peak current (I_N/I_{max}) A	8 / 15	16 / 30
Rated voltage/Maximum switching voltage (U_N/U_{max}) V AC	250 / 400	250 / 400
Rated load AC1 VA	2,000	4,000
Rated load AC15 (230 V AC) VA	350	750
Single phase motor rating (230 V AC) kW	0.37	0.55
Breaking capacity DC1: 30/110/220 V A	8/0.3/0.12	16/0.3/0.12
Minimum switching load mW (V/mA)	500 (5/100)	500 (5/100)
Standard contact material	$AgSnO_2$	$AgSnO_2$
Coil specification		
Nominal voltage (U_N) V DC	5 - 12 - 24	5 - 12 - 24
Rated power (P_N) W	0.65	0.65
Operating range DC	(0.7 ... 1.1)U_N	(0.7 ... 1.1)U_N
Min. impulse duration ms	20	20
Max. impulse duration s	30	30
Technical data		
Mechanical life DC cycles	$5 \cdot 10^6$	$5 \cdot 10^6$
Electrical life at rated load AC1 cycles	$30 \cdot 10^3$	$30 \cdot 10^3$
Operate/release time ms	10 / 5	10 / 10
Insulation between coil and contacts (1.2/50 μs) kV	6 (10 mm)	6 (10 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)	—	

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