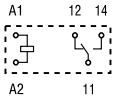
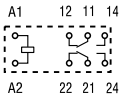
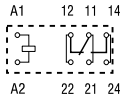
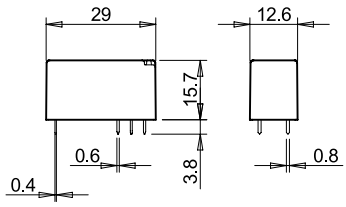
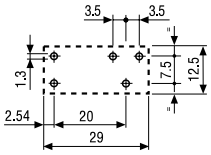
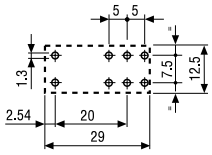
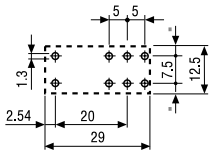
1 & 2 Pole - Low profile (15.7 mm height)
41.31 - 1 Pole 12 A (3.5 mm pin pitch)
41.52 - 2 Pole 8 A (5 mm pin pitch)
41.61 - 1 Pole 16 A (5 mm pin pitch)

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)

	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
			
			
For UL ratings see: *"General technical information" page* V	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	3000	2000	4000
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 - 230	24 - 230	24 - 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	0.8/0.4 U_N	0.8/0.4 U_N	0.8/0.4 U_N
Must drop-out voltage AC/DC	0.15/0.1 U_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	1000	1000	1000
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 CQC RINA cULus VDE		

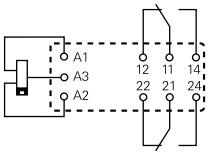
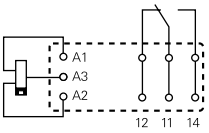
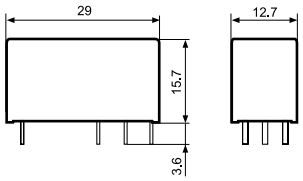
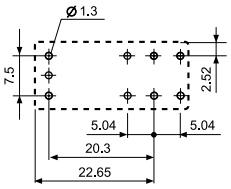
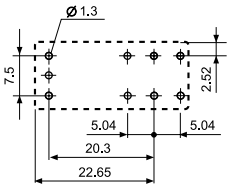
41 SERIES
Bistable low profile PCB relays 8 - 16 A

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 (1.2/50 µs) 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	2000	4000
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	1000	1000
Ambient temperature range	°C	–40…+85	–40…+85
Environmental protection		RT II	RT II
Approvals (according to type)		—	