

Features

40.61 - 1 Pole 16 A (5 mm pin pitch)
 40.xx.6 - Bistable versions of the 40.31, 40.51, 40.52 & 40.61 relays

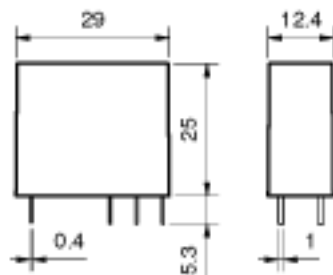
PCB mount

- direct or via PCB socket

35 mm rail mount

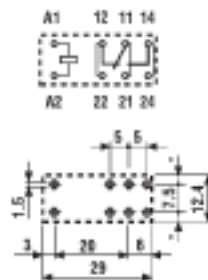
- via screw and screwless sockets

- DC coils & AC coils
- Cadmium Free option available
- 8 mm, 6 kV (1.2/50 μs) isolation, coil-contacts
- UL Listing (certain 40.61 relay/socket combinations)
- Flux proof: RT II standard, (RT III option)
- 95 series sockets
- Coil EMC suppression
- Timer accessories B6 series



- 5 mm contact pin pitch
- 1 Pole 16 A
- PCB or 95 series sockets

- Bistable (single coil) versions of 40.31/51/52/61
- PCB or 95 series sockets



Copper side view

Bistable version (1 coil) types:

- 40.31.6...
- 40.51.6...
- 40.52.6...
- 40.61.6...

For wiring diagrams see page 8

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

Contact specification

Contact configuration	1 CO (SPDT)	
Rated current/Maximum peak current	A	16/30*
Rated voltage/Maximum switching voltage	V AC	250/400
Rated load AC1	VA	4,000
Rated load AC15 (230 V AC)	VA	750
Single phase motor rating (230 V AC)	kW	0.55
Breaking capacity DC1: 30/110/220 V	A	16/0.3/0.12
Minimum switching load	mW (V/mA)	500 (10/5)
Standard contact material	AgCdO	

Coil specification

Nominal voltage (U _N)	V AC (50/60 Hz)	6-12-24-48-60-110-120-230-240	5 - 6 - 12 - 24 - 48 - 110
	V DC	***See table	5 - 6 - 12 - 24 - 48 - 110
Rated power AC/DC/sens. DC	VA [50 Hz]/W/W	1.2/0.65/0.5	1.0/1.0/—
Operating range	AC	{0.8...1.1}U _N	{0.8...1.1}U _N
	DC/sens. DC	{0.73...1.5}U _N /{0.8...1.5}U _N	{0.8...1.1}U _N /—
Holding voltage	AC/DC	0.8 U _N /0.4 U _N	—
Must drop-out voltage	AC/DC	0.2 U _N /0.1 U _N	—

Technical data

Mechanical life AC/DC	cycles	10 · 10 ⁶ /20 · 10 ⁶	See relays
Electrical life at rated load AC1	cycles	100 · 10 ³	40.31
Operate/release time	ms	7/3 - (12/4 sensitive)	40.51
Insulation between coil and contacts (1.2/50 μs)	kV	6 (8 mm)	40.52
Dielectric strength between open contacts	V AC	1,000	40.61
Ambient temperature range	°C	-40...+85	Min. impulse duration
Environmental protection		RT II**	≥ 20 ms

Approvals (according to type)



* With the AgSnO₂ material the maximum peak current is 120 A - 5 ms on normally open contact.

*** Nominal voltage (U_N):
 5 - 6 - 7 - 9 - 12 - 14 - 18 - 21 - 24 - 28 - 36 - 48 - 60 - 90 - 110 - 125 V DC