

# 60 Series - General purpose relays 6 - 10 A

## Features

### Plug-in mount

#### 10 A General purpose relay

- 2 & 3 pole changeover contacts
- Cadmium Free contacts (preferred version)
- AC coils & DC coils
- UL Listing (certain relay/socket combinations)
- Contact material options
- Lockable test button with mechanical flag indicator (preferred version)
- 90 series sockets
- Coil EMC suppression
- Timer accessories 86 series
- European Patent

60.12

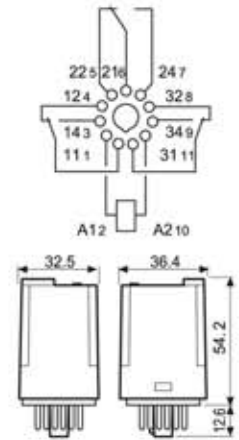
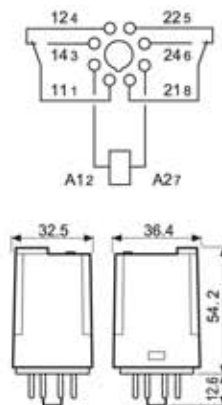


- 2 pole, 10 A power contacts
- 8 pin plug-in

60.13



- 3 pole, 10 A power contacts
- 11 pin plug-in



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

Contact specification		60.12	60.13
Contact configuration		2 CO (DPDT)	3 CO (3PDT)
Rated current/Maximum peak current	A	10/20	10/20
Rated voltage/Maximum switching voltage	V AC	250/400	250/400
Rated load AC1	VA	2,500	2,500
Rated load AC15 (230 V AC)	VA	500	500
Single phase motor rating (230 V AC)	kW	0.37	0.37
Breaking capacity DC1: 30/110/220 V	A	10/0.4/0.15	10/0.4/0.15
Minimum switching load	mW [V/mA]	500 (10/5)	500 (10/5)
Standard contact material		AgNi	AgNi
Coil specification		60.12	60.13
Nominal voltage (U <sub>N</sub> )	V AC (50/60 Hz)	6 - 12 - 24 - 48 - 60 - 110 - 120 - 230 - 240 - 400	
	V DC	6 - 12 - 24 - 48 - 60 - 110 - 125 - 220	
Rated power AC/DC	VA (50 Hz)/W	2.2/1.3	
Operating range	AC	(0.8...1.1)U <sub>N</sub>	
	DC	(0.8...1.1)U <sub>N</sub>	
Holding voltage	AC/DC	0.8 U <sub>N</sub> /0.5 U <sub>N</sub>	
Must drop-out voltage	AC/DC	0.2 U <sub>N</sub> /0.1 U <sub>N</sub>	
Technical data		60.12	60.13
Mechanical life AC/DC	cycles	20 · 10 <sup>6</sup> /50 · 10 <sup>6</sup>	
Electrical life at rated load AC1	cycles	200 · 10 <sup>3</sup>	
Operate/release time	ms	11/4	
Insulation between coil and contacts (1.2/50 μs)	kV	4	
Dielectric strength between open contacts	V AC	1,000	
Ambient temperature range	°C	-40...+70	
Environmental protection		RT I	
Approvals (according to type)			