

**Features**

**Plug-in mount**

**10 A General purpose relay**

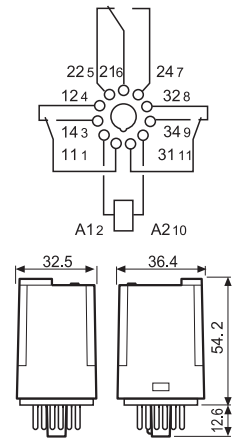
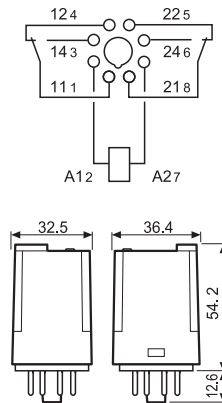
- 2 & 3 pole changeover contacts
- Cadmium Free contacts (preferred version)
- AC coils & DC coils
- UL Listing (certain relay/socket combinations)
- Contact material options
- Lockable test button with mechanical flag indicator (preferred version)
- 90 series sockets
- Coil EMC suppression
- Timer accessories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



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



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



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

**Contact specification**

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**

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	2.2/1.3
Operating range AC	(0.8...1.1)U <sub>N</sub>	
	(0.8...1.1)U <sub>N</sub>	
Holding voltage AC/DC	0.8 U <sub>N</sub> /0.5 U <sub>N</sub>	
	0.2 U <sub>N</sub> /0.1 U <sub>N</sub>	

**Technical data**

Mechanical life AC/DC cycles	20 · 10 <sup>6</sup> /50 · 10 <sup>6</sup>	20 · 10 <sup>6</sup> /50 · 10 <sup>6</sup>
Electrical life at rated load AC1 cycles	200 · 10 <sup>3</sup>	200 · 10 <sup>3</sup>
Operate/release time ms	11/4	11/4
Insulation between coil and contacts (1.2/50 μs) kV	4	3.6
Dielectric strength between open contacts V AC	1,000	1,000
Ambient temperature range °C	-40...+70	-40...+70
Environmental protection	RT I	RT I

**Approvals (according to type)**



### Features

A

**Plug-in mount - 6 A**

**Bifurcated contacts for low level switching**

- 2 & 3 pole changeover contacts
- Cadmium Free contacts (Gold plated Silver Nickel)
- AC coils & DC coils
- Lockable test button with mechanical flag indicator (preferred version)
- 90 series sockets
- Coil EMC suppression
- Timer accessories 86 series
- European Patent

60.12 - 5200

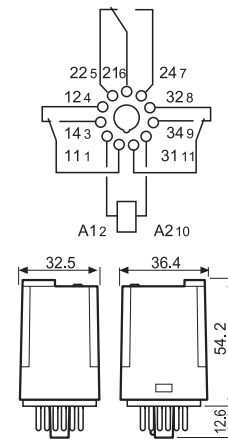
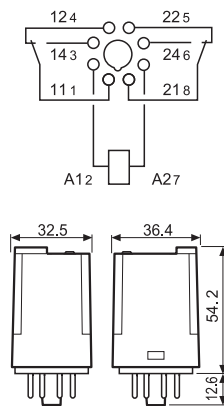


- 2 pole, 6 A bifurcated contacts
- 8 pin plug-in

60.13 - 5200



- 3 pole, 6 A bifurcated contacts
- 11 pin plug-in



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

**Contact specification**

Contact configuration	2 CO (DPDT)	3 CO (3PDT)
Rated current/Maximum peak current A	6/10	6/10
Rated voltage/Maximum switching voltage V AC	250/400	250/400
Rated load AC1 VA	1,500	1,500
Rated load AC15 (230 V AC) VA	250	250
Single phase motor rating (230 V AC) kW	0.185	0.185
Breaking capacity DC1: 30/110/220 V A	6/0.3/0.12	6/0.3/0.12
Minimum switching load mW (V/mA)	50 (5/5)	50 (5/5)
Standard contact material	AgNi + Au bifurcated contacts	AgNi + Au bifurcated contacts

**Coil specification**

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	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>	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>	0.2 U <sub>N</sub> /0.1 U <sub>N</sub>

**Technical data**

Mechanical life AC/DC cycles	20 · 10 <sup>6</sup> /50 · 10 <sup>6</sup>	20 · 10 <sup>6</sup> /50 · 10 <sup>6</sup>
Electrical life at rated load AC1 cycles	250 · 10 <sup>3</sup>	250 · 10 <sup>3</sup>
Operate/release time ms	11/4	11/4
Insulation between coil and contacts (1.2/50 μs) kV	4	3.6
Dielectric strength between open contacts V AC	1,000	1,000
Ambient temperature range °C	-40...+70	-40...+70
Environmental protection	RT I	RT I

**Approvals** (according to type)

