

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

FOR UL RATINGS SEE:

"General technical information" page V

Contact specification

Contact configuration

Rated current/Maximum peak current A

Rated voltage/Maximum switching voltage V AC

Rated load AC1 VA

Rated load AC15 (230 V AC) VA

Single phase motor rating (230 V AC) kW

Breaking capacity DC1: 30/110/220 V A

Minimum switching load mW (V/mA)

Standard contact material

Coil specification

Nominal voltage (U_N) V AC (50/60 Hz)

V DC

Rated power AC/DC VA (50 Hz)/W

Operating range AC

DC

Holding voltage AC/DC

Must drop-out voltage AC/DC

Technical data

Mechanical life AC/DC cycles

Electrical life at rated load AC1 cycles

Operate/release time ms

Insulation between coil and contacts (1.2/50 µs) kV

Dielectric strength between open contacts V AC

Ambient temperature range °C

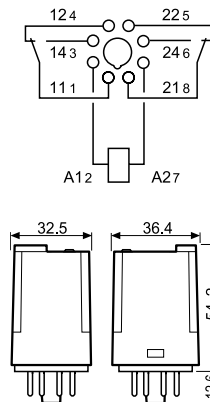
Environmental protection

Approvals (according to type)

60.12



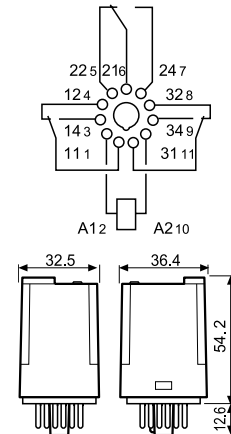
- 2 pole, 10 A power contacts
- 8 pin plug-in



60.13



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



2 CO (DPDT)

10/20

250/400

2500

500

0.37

10/0.4/0.15

500 (10/5)

AgNi

3 CO (3PDT)

10/20

250/400

2500

500

0.37

10/0.4/0.15

500 (10/5)

AgNi

6 - 12 - 24 - 48 - 60 - 110 - 120 - 230 - 240 - 400

6 - 12 - 24 - 48 - 60 - 110 - 125 - 220

2.2/1.3

(0.8...1.1)U_N

(0.8...1.1)U_N

0.8 U_N / 0.5 U_N

0.2 U_N / 0.1 U_N

2.2/1.3

(0.8...1.1)U_N

(0.8...1.1)U_N

0.8 U_N / 0.5 U_N

0.2 U_N / 0.1 U_N

20 · 10⁶ / 50 · 10⁶

200 · 10³

11/4

4

1000

-40...+70

RT I

20 · 10⁶ / 50 · 10⁶

200 · 10³

11/4

3.6

1000

-40...+70

RT I

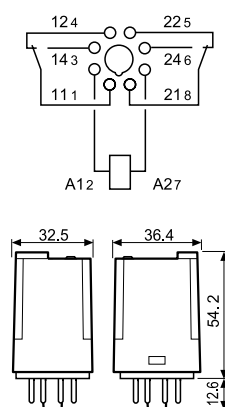


Plug-in mount - 6 A**Bifurcated contacts for low level switching**

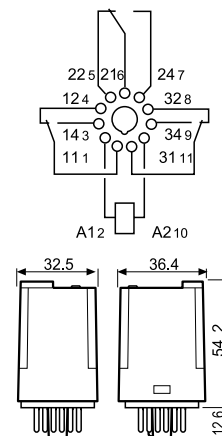
- 2 & 3 pole changeover contacts
- Cadmium Free contacts (Gold plated Silver Nickel)
- AC coils & DC coils
- Lockable test button with mechanical flag indicator (preferred version)
- 90 series sockets
- Coil EMC suppression
- Timer accessories 86 series
- European Patent

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	1500	1500
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 _N)	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 _N	(0.8...1.1)U _N
	DC	(0.8...1.1)U _N	(0.8...1.1)U _N
Holding voltage	AC/DC	0.8 U _N / 0.5 U _N	0.8 U _N / 0.5 U _N
Must drop-out voltage	AC/DC	0.2 U _N / 0.1 U _N	0.2 U _N / 0.1 U _N

Technical data

Mechanical life AC/DC	cycles	20 · 10 ⁶ / 50 · 10 ⁶	20 · 10 ⁶ / 50 · 10 ⁶
Electrical life at rated load AC1	cycles	250 · 10 ³	250 · 10 ³
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	1000	1000
Ambient temperature range	°C	-40...+70	-40...+70
Environmental protection		RT I	RT I

Approvals (according to type)