

General purpose relays
For printed circuit mounting

Type 55.12

- 2 CO 10 A

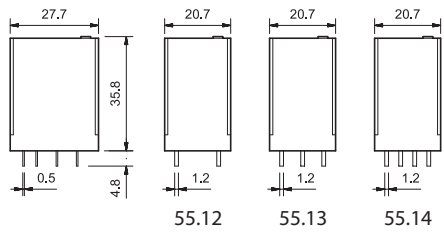
Type 55.13

- 3 CO 10 A

Type 55.14

- 4 CO 7 A

- AC & DC coils
- Cadmium Free contacts
- Contact material options
- RT III (wash tight) option available



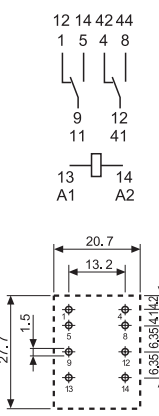
- 2 CO 10 A
- PCB mount



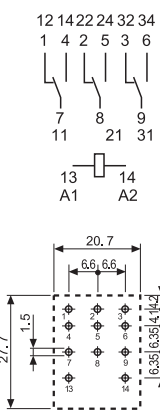
- 3 CO 10 A
- PCB mount



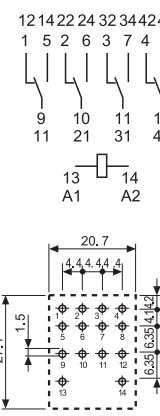
- 4 CO 7 A
- PCB mount



Copper side view



Copper side view



Copper side view

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

Contact specification

| | | | | |
|---|-----------|--------------|--------------|-------------|
| Contact configuration | | 2 CO (DPDT) | 3 CO (3PDT) | 4 CO (4PDT) |
| Rated current/Maximum peak current | A | 10/20 | 10/20 | 7/15 |
| Rated voltage/Maximum switching voltage | V AC | 250/400 | 250/400 | 250/250 |
| Rated load AC1 | VA | 2500 | 2500 | 1750 |
| Rated load AC15 (230 V AC) | VA | 500 | 500 | 350 |
| Single phase motor rating (230 V AC) | kW | 0.37 | 0.37 | 0.125 |
| Breaking capacity DC1: 30/110/220 V | A | 10/0.25/0.12 | 10/0.25/0.12 | 7/0.25/0.12 |
| 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) | 6 - 12 - 24 - 48 - 60 - 110 - 120 - 230 - 240 | | |
| | V DC | 6 - 12 - 24 - 48 - 60 - 110 - 125 - 220 | | |
| Rated power AC/DC | VA (50 Hz)/W | 1.5/1 | 1.5/1 | 1.5/1 |
| Operating range | AC | (0.8...1.1)U _N | | |
| | DC | (0.8...1.1)U _N | | |
| Holding voltage | AC/DC | 0.8 U _N / 0.5 U _N | | |
| Must drop-out voltage | AC/DC | 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 | 20 · 10 ⁶ / 50 · 10 ⁶ |
| Electrical life at rated load AC1 | cycles | 200 · 10 ³ | 200 · 10 ³ | 150 · 10 ³ |
| Operate/release time | ms | 10/5 | 10/5 | 11/3 |
| Insulation between coil and contacts (1.2/50 μs) | kV | 4 | 4 | 4 |
| Dielectric strength between open contacts | V AC | 1000 | 1000 | 1000 |
| Ambient temperature range | °C | -40...+85 | -40...+85 | -40...+85 |
| Environmental protection | | RT I | RT I | RT I |

Approvals (according to type)



**General purpose relays
For socket mounting**

Type 55.32

- 2 CO 10 A

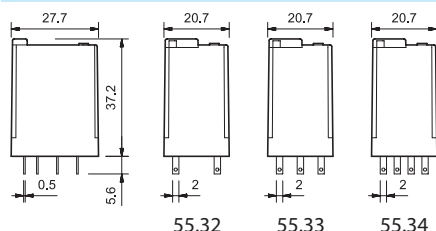
Type 55.33

- 3 CO 10 A

Type 55.34

- 4 CO 7 A

- AC & DC coils
- Lockable test button and mechanical flag indicator as standard on 2 & 4 pole types
- Integral LED and coil suppression options
- 94 series sockets for PCB or 35 mm rail mounting (EN 60715) with Screw, Screwless or Push-in terminals
- Coil Indication and EMC suppression modules 99 series and Timer module 86.30 options
- Optional alternative mounting adaptors
- UL Listing (certain relay/socket combinations)
- Cadmium Free contacts
- Contact material options
- European Patent



FOR UL RATINGS SEE:

"General technical information" page V

| | 55.32 | 55.33 | 55.34 |
|---|--|--|---|
| | | | |
| | <ul style="list-style-type: none"> • 2 CO 10 A • Plug-in 94 series sockets | <ul style="list-style-type: none"> • 3 CO 10 A • Plug-in 94 series sockets | <ul style="list-style-type: none"> • 4 CO 7 A • Plug-in 94 series sockets |
| | | | |
| | | | |
| Contact specification | | | |
| Contact configuration | 2 CO (DPDT) | 3 CO (3PDT) | 4 CO (4PDT) |
| Rated current/Maximum peak current | A | 10/20 | 7/15 |
| Rated voltage/ Maximum switching voltage | V AC | 250/400 | 250/250 |
| Rated load AC1 | VA | 2500 | 1750 |
| Rated load AC15 (230 V AC) | VA | 500 | 350 |
| Single phase motor rating (230 V AC) | kW | 0.37 | 0.125 |
| Breaking capacity DC1: 30/110/220 V | A | 10/0.25/0.12 | 7/0.25/0.12 |
| Minimum switching load | mW (V/mA) | 300 (5/5) | 300 (5/5) |
| Standard contact material | AgNi | AgNi | AgNi |
| Coil specification | | | |
| Nominal voltage (U _N) | V AC (50/60 Hz) | 6 - 12 - 24 - 48 - 60 - 110 - 120 - 230 - 240 | |
| | V DC | 6 - 12 - 24 - 48 - 60 - 110 - 125 - 220 | |
| Rated power AC/DC | VA (50 Hz)/W | 1.5/1 | 1.5/1 |
| 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 | 200 · 10 ³ | 150 · 10 ³ |
| Operate/release time | ms | 10/5 | 11/3 |
| Insulation between coil and contacts (1.2/50 μs) | kV | 4 | 4 |
| Dielectric strength between open contacts | V AC | 1000 | 1000 |
| Ambient temperature range | °C | -40...+85 | -40...+85 |
| Environmental protection | | RT I | RT I |
| Approvals (according to type) | | | |