

Miniature general purpose relay

Flat pin

- Lockable test button and mechanical flag indicator with LED and built-in suppression (DC only)
- Use with 94 series bases
- Compact

New non-polarised DC relays



Cat. No.
55.32.0054...V AC
55.32.0074...V DC



Cat. No.
55.34.0054...V AC
55.34.0074...V DC

Contact specifications

| | | |
|--|----------------|---------------|
| Contact configuration | 2 C/O | 4 C/O |
| Rated current | 10 A | 7 A |
| Rated voltage | 250 V AC | |
| Rated load in AC 1 | 2,500 VA | 1750 VA |
| Rated load in AC 15 (230 V AC) | 500 VA | 350 VA |
| Single phase motor rating (230 V AC) | 0.37 kW | 0.125 kW |
| Breaking capacity in DC 1 : 30/110/220 V | 10/0.25/0.12 A | 7/0.25/0.12 A |
| Maximum peak current | 20 A | 15 A |
| Maximum switching voltage | 400 V AC | 250 V AC |
| Minimum switching load | 300 mW | |

Coil specifications

| | | | |
|---|---------------|--|--------------------------|
| Nominal voltage (U _N) ¹⁾ | (50/60 Hz) AC | 12, 24, 32, 48, 110, 240 | 12, 24, 32, 48, 110, 240 |
| | DC | 12, 24, 48, 110 | 12, 24, 32, 48, 110 |
| Rated power AC/DC | | 1.5 VA/1W | |
| Operation range | (50 Hz) 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

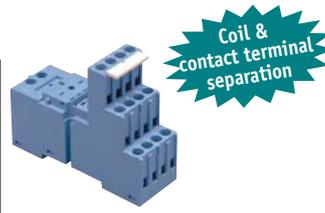
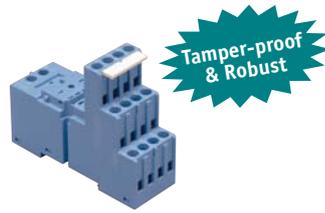
| | | |
|--|--|----------------------------|
| Mechanical life AC/DC | 20.10 ⁶ /50.10 ⁶ cycles | |
| Electrical life @ rated load AC 1 | 200.10 ³ cycles | 150.10 ³ cycles |
| Insulation between coil and contacts | 3.6 kV | 2.5 kV |
| Ambient temperature range | -40 °C...+70 °C | |
| Protection rating | IP 50 | |
| Connection diagram | | |
| Note: New DC relays are non-polarised | | |
| Recommended base and accessories | 94.02 Screw terminal base 94.06 6 way jumper link | |

Notes: The equipment on this page is rated 230/400 V and is suitable for use on 240/415 V systems as per AS 60038:2000.

¹⁾ Please contact NHP for other voltages.

Relay bases and Accessories

Bases for series 55 relays



| | | | |
|-----------------------|--|--|---|
| Cat. No. | 94.02 | 94.04 | 94.82 |
| Description | DIN rail mounting base open terminals. Accepts 99-02 series LED modules. | DIN rail mounting base open terminals. Accepts 99-02 series LED modules. | DIN rail mounting base. Accepts 99-01 series LED modules. |
| Relay to suit | Flat pin 2 C/O (8 pin) 55.32... | Flat pin 4 C/O (14 pin) 55.34... | Flat pin 2 C/O (8 pin) 55.32... |
| Retaining clip | 94.71 | 94.71 | 94.71 |



| | | | |
|-----------------------|--|--|--|
| Cat. No. | 94.72 | 94.74 | 94.06 |
| Description | DIN rail mounting base open terminals. Accepts 99-01 series LED modules. | DIN rail mounting base open terminals. Accepts 99-01 series LED modules. | Jumper link 6 way maximum 10 A, 250 V. |
| Relay to suit | Flat pin 2 C/O (8 pin) 55.32... | Flat pin 4 C/O (14 pin) 55.34... | 94.02, 94.04 55.34... |
| Retaining clip | 94.71 | 94.71 | |



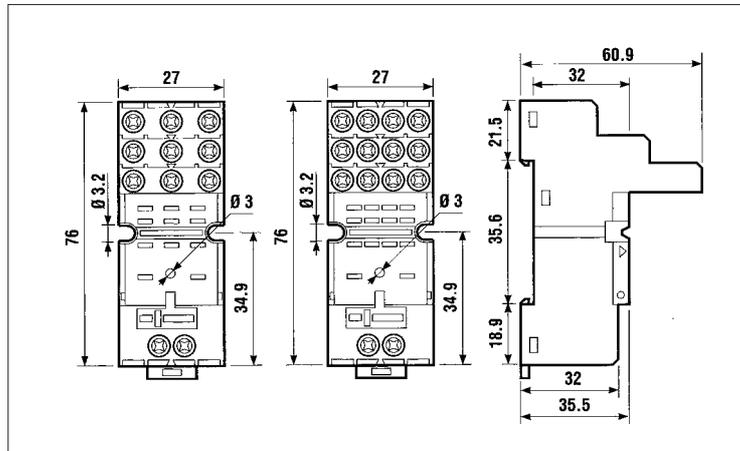
| | | | |
|-----------------------|------------------------------------|-------------------------------------|---|
| Cat. No. | 94.12 | 94.14 | 94.34 |
| Description | PCB mounting base. | PCB mounting base. | Rear connection, panel mount base. |
| Relay to suit | Flat pin 2 C/O (8 pin) 55.32... | Flat pin 4 C/O (14 pin) 55.34... | Flat pin 2 and 4 C/O 55.32... 55.34... |
| Retaining clip | 94.51 | 94.51 | 94.51 |

Notes: Please refer to page 9-29 and 9-30 for recommended LED and diode plug-in modules. Refer to page 9-35 for relay base dimensions.

Relay base dimensions (mm)

55 Series

Cat No. 94.02, 94.04



Relay dimensions (mm)

55 Series

Cat. No. 55.32, 55.34

