

General purpose relays

Round pin

- Lockable test button and mechanical flag
- 8 and 11 round pin plug-in versions
- Used with 90 series bases



Cat. No. 60.12...V AC RLY 60.12...V DC RLY



Cat. No.
60.13...V AC RLY
60.13...V DC RLY

Contact specifications

Contact configuration	2 C/0	3 C/O
Rated current	10 A	
Rated voltage	250 V AC	
Rated load in AC 1	2,500 VA	
Rated load in AC 15 (230 V AC)	500 VA	
Single phase motor rating (230 V AC)	0.37 kW	
Breaking capacity in DC 1:30/110/220 V	10/0.4/0.15 A	
Maximum peak current	20 A	
Maximum switching voltage	400 V AC	
Minimum switching load	500 mW	

Coil specifications

Nominal voltage (U _N)	(50/60 Hz) AC	6, 12, 24, 32, 48, 60 <u>i</u> , 110, 240	6, 12, 24, 32, 48, 110, 240
	DC	6, 12, 24, 32, 48, 60 <u>i</u> , 110	6, 12, 24, 32, 48, 110
Rated power AC/DC		2.2 VA/1.3 W	
Operation range	(50 Hz) AC	(0.81.1) U _N	
	DC	(0.81.1) U _N	
Holding voltage AC/DC		0.8 Un/0.5 Un	
Must drop-out voltage		0.2 U _N /0.1 U _N	

Technical data

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Mechanical life AC/DC	20.10 ⁶ /50.10 ⁶ cycles	
Electrical life @ rated load AC 1	200.10 ³ cycles	
Insulation between coil and contacts	3.6 kV	
Ambient temperature range	-40 °C+70 °C	
Protection rating	IP 50	
Connection diagram	4 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 5 6 7 8 8 0 9 0 9 10 10 10 10 10 10 10 10 10 10 10 10 10
Recommended bases	90.20 DIN rail mount base with shrouded terminals 99.010Plug-in modules	90.21 DIN rail mount base with shrouded terminals 99.010Plug-in modules

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.

i Available on indent only.

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Relay bases and Accessories Bases for series 60 round pin relays

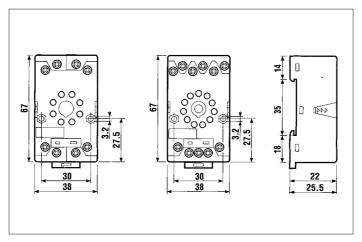
	Accepts LED modules	Accepts LED modules	
Cat. No.	90.20	90.21	
Description	DIN rail mounting base shrouded	DIN rail mounting base shrouded	
•	terminals. Accepts 99-01 series	terminals. Accepts 99-01 series	
	LED modules.	LED modules.	
Relay to suit	Round pin 2 C/O (8 pin)	Round pin 3 C/O (11 pin)	
	60.12	60.13	
Retaining clip	90.33	90.33	
Cat. No.	90.28	90.27	90.03
Description	DIN rail mounting base	DIN rail mounting base shrouded	DIN rail mounting base
	shrouded terminals.	terminals.	shrouded terminals.
Relay to suit	Round pin 2 C/O (8 pin)	Round pin 3 C/O (11 pin)	Accepts 60.13 (11 pin) relay
	60.12	60.13	and 86.00 series timing module.
Retaining clip	90.33	90.33	90.33
		\$ \$ \\ \frac{1}{2} \\	
Cat. No.	90.26	90.29	86.00
Cat. No. Description	90.26 DIN rail mounting base shrouded	90.29 DIN rail mounting base shrouded	86.00 Multifunction, True multivoltage -
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-	DIN rail mounting base shrouded	DIN rail mounting base shrouded	Multifunction, True multivoltage -
-	DIN rail mounting base shrouded	DIN rail mounting base shrouded	Multifunction, True multivoltage - 12- 240 V AC/DC
-	DIN rail mounting base shrouded	DIN rail mounting base shrouded	Multifunction, True multivoltage - 12- 240 V AC/DC Timing module. Suits 90-73
Description	DIN rail mounting base shrouded terminals 8 pin	DIN rail mounting base shrouded terminals.	Multifunction, True multivoltage - 12- 240 V AC/DC Timing module. Suits 90-73 Base. Round pin 3 C/O
Description	DIN rail mounting base shrouded terminals 8 pin Round pin 2 C/O (8 pin)	DIN rail mounting base shrouded terminals. Round pin 3 C/O (11 pin)	Multifunction, True multivoltage - 12- 240 V AC/DC Timing module. Suits 90-73 Base. Round pin 3 C/O
Description Relay to suit	DIN rail mounting base shrouded terminals 8 pin Round pin 2 C/O (8 pin) 60.12	DIN rail mounting base shrouded terminals. Round pin 3 C/O (11 pin) 60.13	Multifunction, True multivoltage - 12- 240 V AC/DC Timing module. Suits 90-73 Base. Round pin 3 C/O (11 pin) and 60.13 relay
Description Relay to suit	DIN rail mounting base shrouded terminals 8 pin Round pin 2 C/O (8 pin) 60.12	DIN rail mounting base shrouded terminals. Round pin 3 C/O (11 pin) 60.13	Multifunction, True multivoltage - 12- 240 V AC/DC Timing module. Suits 90-73 Base. Round pin 3 C/O (11 pin) and 60.13 relay
Relay to suit Retaining clip	DIN rail mounting base shrouded terminals 8 pin Round pin 2 C/O (8 pin) 60.12 90.33	DIN rail mounting base shrouded terminals. Round pin 3 C/O (11 pin) 60.13 90.33	Multifunction, True multivoltage - 12- 240 V AC/DC Timing module. Suits 90-73 Base. Round pin 3 C/O (11 pin) and 60.13 relay
Relay to suit Retaining clip Cat. No.	DIN rail mounting base shrouded terminals 8 pin Round pin 2 C/0 (8 pin) 60.12 90.33	DIN rail mounting base shrouded terminals. Round pin 3 C/O (11 pin) 60.13 90.33	Multifunction, True multivoltage - 12- 240 V AC/DC Timing module. Suits 90-73 Base. Round pin 3 C/O (11 pin) and 60.13 relay
Relay to suit Retaining clip Cat. No.	DIN rail mounting base shrouded terminals 8 pin Round pin 2 C/O (8 pin) 60.12 90.33 90.12 Rear connection solder	DIN rail mounting base shrouded terminals. Round pin 3 C/O (11 pin) 60.13 90.33 90.13 Rear connection solder	Multifunction, True multivoltage - 12- 240 V AC/DC Timing module. Suits 90-73 Base. Round pin 3 C/O (11 pin) and 60.13 relay
Relay to suit Retaining clip Cat. No. Description	Round pin 2 C/O (8 pin) 60.12 90.33 90.12 Rear connection solder socket.	DIN rail mounting base shrouded terminals. Round pin 3 C/O (11 pin) 60.13 90.33 90.13 Rear connection solder socket.	Multifunction, True multivoltage - 12- 240 V AC/DC Timing module. Suits 90-73 Base. Round pin 3 C/O (11 pin) and 60.13 relay



Relay base dimensions (mm)

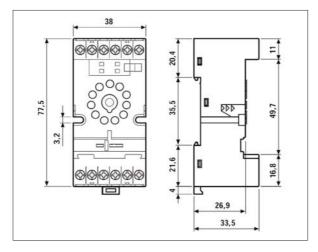
60 Series

Cat No. 90.20, 90.21



60 Series

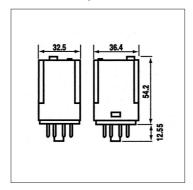
Cat No. 90.03



Relay dimensions (mm)

60 Series

Cat. No. 60.12, 60.13



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