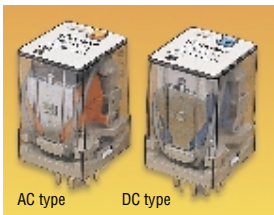


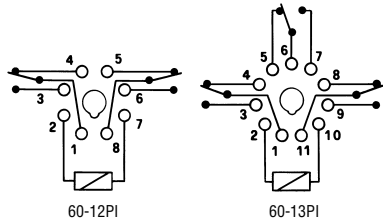
8 and 11 Pin Plug-In Power Relays — continued

10A with Contact Indicator and Test Button - 60-12/13 Series



AC type DC type

Two and three pole changeover power relays for plug-in octal and 11-pin bases. The relays have manual test button and mechanical flag contact operating indicator. AC coils are dual frequency 50/60 Hz. **BSI, VDE, CSA, RINA, UL, BEAB, IMQ, SETI, SEMKO, DEMKO** and **SEV** approved. The cover is flame retardant. See this section for suitable bases etc.



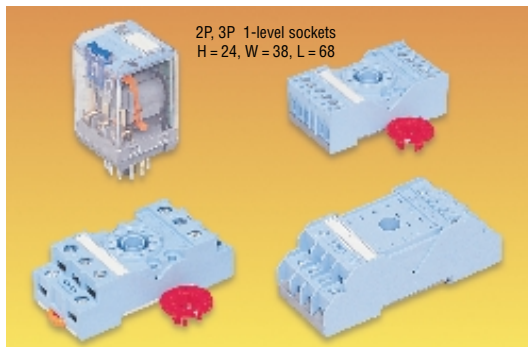
H = 51 (above socket), W = 32.5, D = 36.2

Contact arrangement	DPCO/3PCO	Contact material	Silver nickel (90/10%)
Contact rating (resistive)	10A @ 250V ac/30V dc	Dielectric strength	2000V ms
Contact rating (inductive pf 0.4)	3A @ 250V ac 5A @ 24V dc	Operate/Release	20ms max.
Switching capacity	2500VA	Coil consumption	2.2VA (ac) 1.3W (dc)
Max. switching current	20A	Coil operating range	80-110%
Max. switching voltage	380V ac	Temperature range	-40°C to +70°C

REL067

COIL		Price Each					
Volts	Ω	Order Code	1+	20+	100+	250+	500+
DPCO - 60-12 Series							
12V ac	19	.431-631					
24V ac	75	.431-643					
48V ac	320	.431-655					
110V ac	1800	.431-667					
230V ac	7900	.431-679					
12V dc	111	.431-680					
24V dc	443	.431-692					
48V dc	1772	.431-709					
110V dc	9300	.431-710					
3PCO - 60-13 Series							
12V ac	19	.431-722					
24V ac	75	.431-734					
48V ac	320	.431-746					
110V ac	1800	.431-758					
230V ac	7900	.431-760					
12V dc	111	.431-771					
24V dc	443	.431-783					
48V dc	1772	.431-795					
110V dc	9300	.431-801					

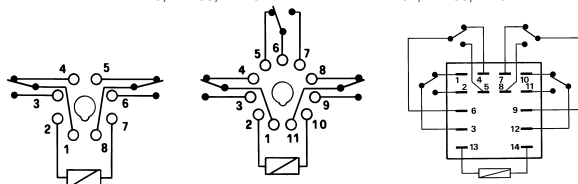
10A with Coil and Contact Indicator and Test Button C2/C3/C4 Series



2P, 3P 1-level sockets
H = 24, W = 38, L = 68

2P, 3P 2-level sockets
H = 25, W = 38, L = 78

4P socket,
H = 31, W = 38, L = 92



C2-A20X
H (above socket) = 59, W = 35, D = 35
Fixing centres = 29.5 3.2 dia

C3-A30X
H (above socket) = 53, W = 35, D = 35
Fixing centres = M4/5
Blade size = 3 0.5

- 2, 3 and 4 Pole changeover relays
- Dual failsafe mechanical contact position and neon/LED indicators
- Colour coded finger proof test button (can be permanently depressed using the retaining clip and socket)
- 24V dc versions available with protection diode
- Sockets supplied with coding ring and pin which can be used to ensure dc relays are not plugged into AC sockets
- Approved to **UL, CSA, SEV, OVE, SEMKO, DEMKO, NEMKO, FEMKO** and **LLOYDS**

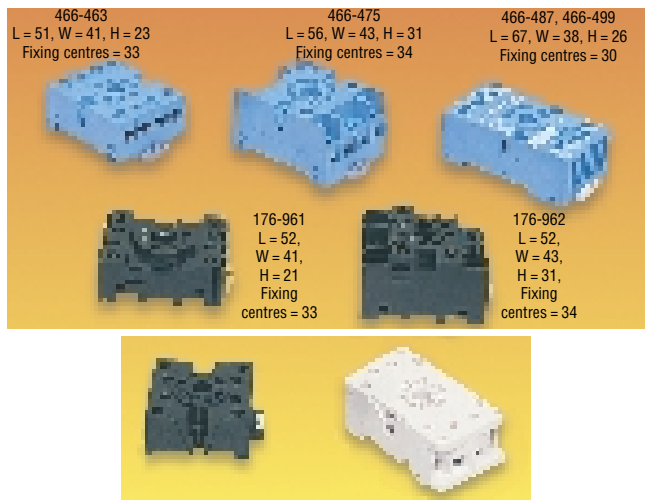
Contact arrangement	DPCO/3PCO/4PCO	Dielectric strength	2500V ac
Contact rating:		Contact material	Silver cadmium oxide (gold - flashed on types with diodes)
Max current	10A	Cover	Clear polycarbonate, UL94V-0
Max voltage	380V (2P) 250V (3P, 4P)	Socket	Blue noryl, UL94V-1
Max power	2200 (2P, 3P) 1800 (4P)	Relay Base	Grey valox, UL94V-0
200W @ 24V dc		Operate/Release	18ms/10ms
		Coil consumption	2.2VA/1.3W (2P,3P)
	45W @ 220V dc	Coil operating range	80 - 110%
		Temperature range	-20°C to +60°C

REL068

COIL		Mfrs. List No.	Order Code	Price Each			
Volts	Ω			1+	20+	100+	250+
DPCO							
24V ac	70	C2-A20X24A	.269-621				
115V ac	1700	C2-A20X115A	.269-633				
230V ac	7400	C2-A20X230A	.269-645				
12V dc	110	C2-A20X12D	.269-657				
24V dc	440	C2-A20X24D	.269-669				
24V dc (diodes)	440	C2-A29FX24D	625-450				
3PCO							
24V ac	70	C3-A30X24A	.269-670				
115V ac	1700	C3-A30X115A	.269-682				
230V ac	7400	C3-A30X230A	.269-694				
12V dc	110	C3-A30X12D	.269-700				
24V dc	440	C3-A30X24D	.269-712				
24V dc (diodes)	440	C3-A39FX24D	625-462				
4PCO							
115V ac	1650	C4-A40X115A	269-724				
230V ac	7200	C4-A40X230A	269-736				
24V dc	384	C4-A40X24D	269-748				
24V dc (diodes)	440	C4-A49FX24D	625-474				
Surface/DIN Rail Sockets with Clip and Coding Ring							
One Level Terminals							
8 Pin (DPCO)	S2-B+S2-BC+S3-C		.269-750				
11 Pin (3PCO)	S3-B+S2-BC+S3-C		.269-761				
Two Level Terminals							
8 Pin (DPCO)	S2-S+S2-BC+S3-C		466-864				
11 Pin (3PCO)	S3-S+S3-BC+S3-C		466-876				
14 Tag (4PCO)	S4-B+S3-C		269-773				

8 and 11 Pin Relay Bases and Accessories

DIN Rail/Surface Mounting



466-463
L = 51, W = 41, H = 23
Fixing centres = 33

466-475
L = 56, W = 43, H = 31
Fixing centres = 34

466-487, 466-499
L = 67, W = 38, H = 26
Fixing centres = 30

176-961
L = 52,
W = 41,
H = 21
Fixing centres = 33

176-962
L = 52,
W = 43,
H = 31,
Fixing centres = 34



177-176: L = 43, W = 43,
H = 20, Fixing centres = 33.
177-177: L = 47, W = 47,
H = 20, Fixing centres = 34.

175-001/2
L = 67, W = 38, H = 26.
(single fixing hole = 4.8)

Screw terminal bases for mounting on 35mm DIN rail or for screw mounting to flat surfaces.

466-463, 466-475: Colour blue. For suitable wire retaining clip see Order Code 466-610.
176-961, 176-962: Colour black. For suitable snap-in retaining clips see Order Code 103-905.