



FEATURES

- Large capacity 10A-15A of general purpose relay.
- L.E.D. status lamp: Shows coil "ON" or "OFF" status, ideal in low light conditions. DC: bi-polar L.E.D.
- Push button: Allows for manual operation of relay without the need for coil power, ideal for field service personnel to test control circuits.
- E115915

LINEUP

■ STANDARD COIL POLARITY

TYPE	Contact Form	Plug-in socket/Solder terminals		
		Standard	With LED	With LED & Button
S terminal (for socket)	SPDT	BLY-1C-S-C-	BLY-1C-S-CL-	BLY-1C-S-CML-
	DPDT	BLY-2C-S-C-	BLY-2C-S-CL-	BLY-2C-S-CML-
P terminal (PCB mounted)	SPDT	BLY-1C-P-C-	BLY-1C-P-CL-	BLY-1C-P-CML-
	DPDT	BLY-2C-P-C-	BLY-2C-P-CL-	BLY-2C-P-CML-

Note:

1. There are 3 other cover choices available, C2, C3, C6. You can order them based on your demands and switch the correct code in. for example, BLY-1C-S-C (plain cover) could be changed to BLY-1C-S-C6 (epoxy sealed style).
 C: plain cover C2: Anti-rotation C3: Top flange cover C6: Epoxy sealed style

■ SOCKETS & ACCESSORIES

Model	Front-connecting Socket (DIN-track/screw mounting)
SPDT/DPDT	PTF-08、PTF-08A、PTF-08AN、PF-08-S/P



SPECIFICATIONS

■ COIL RATINGS

Rated voltage	Rated current (mA)		Coil resistance	Must operate voltage	Must release voltage	Max. voltage	Power consumption (approx.)
	50 Hz	60 Hz		% of rated voltage			
AC	6 V*	331	284	80%	30%	110%	1.2VA
	12 V	94.2	73.5				
	24 V	54.5	46.5				
	48 V*	24.1	18.2				
	110V	11.2	8.1				
	120 V	11.5	8.4				
	220/230 V	6.9	5.8				
	240 V	6.1	3.8	15700			
DC	6 V*	150		75%	10%		0.9W
	12 V	74.5					
	24 V	36					
	48 V*	14.5					
	110 V	9.7					

Note:

1. The test value of coil resistance was at a temperature of 25 ° C, humidity 35% to 70%.
2. The operating parameter is measured at a coil temperature of 25 °C indicated in the percentage of the rated voltages.
3. The coil rated current is measured as the real current consumption under the rated voltages.



BLY SERIES

BETA ELECTRIC INDUSTRY CO., LTD. RELAYS & COMPONENTS

■ CONTACT RATINGS

Item		BLY-1C	BLY-2C
Resistive load ($\cos\Phi = 1$)		15A 30VDC 15A 240VDC	10A 30VDC 10A 240VAC
Motor	120VAC	1/3HP 120VAC	1/3HP 120VAC
	240VAC	1/2HP 240VAC	1/2HP 240VAC
Carry current		12A	
Max. switching voltage		250 VAC 125 VDC	
Max. switching current		15A	10A
Max. switching power		3600VA 450W	2400VA 300W



BETA ELECTRIC INDUSTRY CO., LTD. RELAYS & COMPONENTS

CHARACTERISTICS

Item	All Relays
Contact resistance	50 mΩ max.
Operate time	20ms max
Release time	15ms max
Max. operating frequency	Mechanical: 18,000 operations/hr Electrical: 1,800 operations/hr (under rated load)
Insulation resistance	100MΩ minimum at 500VDC
Dielectric strength	Between open contact: 1000 VAC for 1 minute, Coil to frame: 1500VAC for 1 minute, Contact to coil: 1500VAC for 1 minute, Pole to pole: 1500 VAC for 1 minute
Vibration resistance	Destruction: 10 to 55Hz, 0.5 mm single amplitude (1.0 mm double amplitude) Malfunction: 10 to 55Hz, 0.5 mm single amplitude (1.0 mm double amplitude)
Shock resistance	Destruction: 1,000 m/s ² Malfunction: 200 m/s ²
Endurance	Mechanical life: 10,000,000 operations, Electrical life: 100,000 operations
Ambient temperature	-45°C to +55°C(AC); -45°C to +70°C(DC)
Ambient humidity	Operating: 5% to 85%
Weight	35g

SOCKETS SPECIFICATION

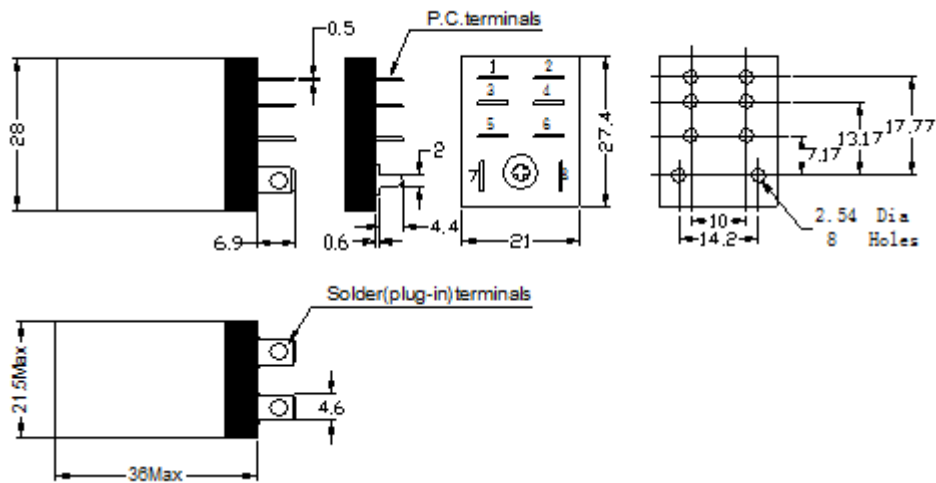
Contact Form	Model	Dielectric withstand voltage	Insulation resistance
SPDT	PTF-08、PTF-08A、PTF-08AN	1800VAC, 1mA/S	1000MΩ @500VDC
DPDT	PTF-08、PTF-08A、PTF-08AN	1800VAC, 1mA/S	1000MΩ @500VDC

DIMENSION

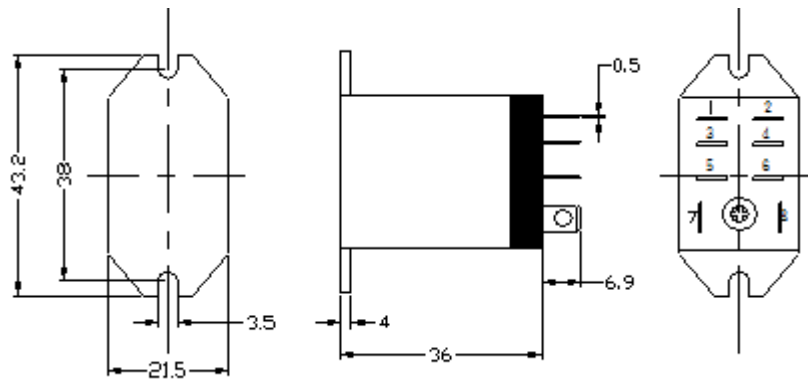
■ Relays with Solder/Plug-in Terminals

BLY-1C/ BLY-2C

Standard type

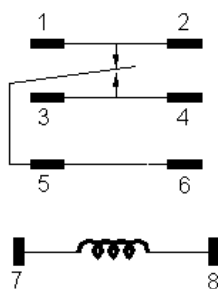


Top flange type



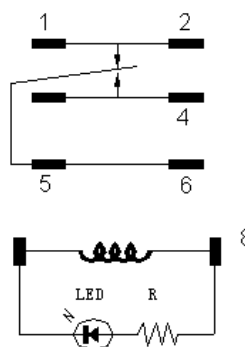
Wiring diagram

1C Standard

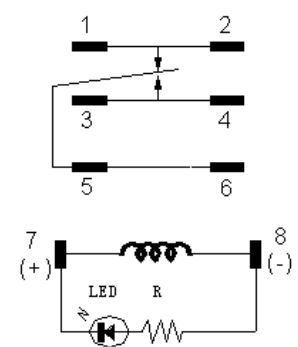


1C/LED Lamp

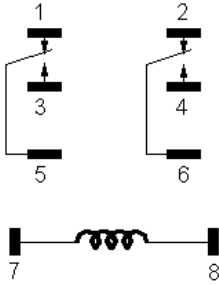
AC styles



DC styles

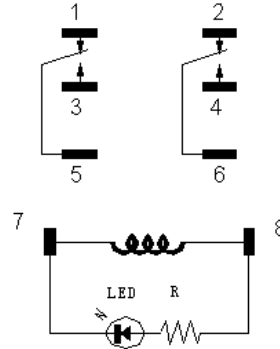


2C Standard

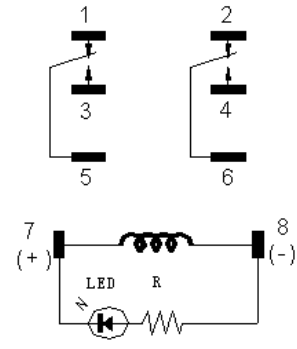


2C/LED Lamp

AC styles




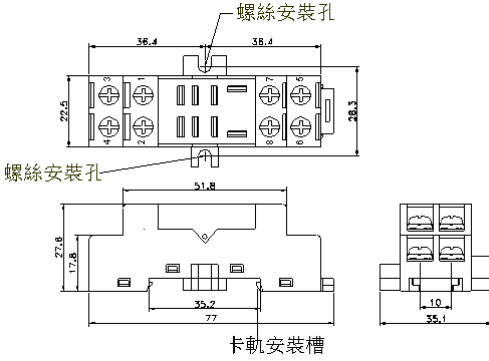
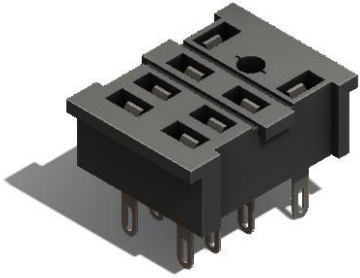
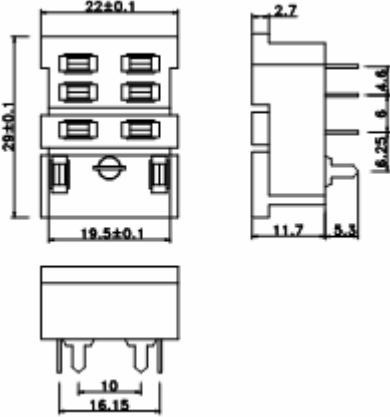
DC styles



ACCESSORIES

SCOKET

Type	3D	Dimension	Wiring diagram	mounting
BLY-1C/ BLY-2C	<p>PTF-08A</p>		Refer to Wiring diagram 2C	<ol style="list-style-type: none"> screws mounting Din-rail mounting
	<p>PTF-08.</p>		Refer to Wiring diagram 2C	<ol style="list-style-type: none"> screws mounting Din-rail mounting

Type	3D	Dimension	Wiring diagram	mounting
BLY-1C/ BLY-2C	<p style="text-align: center;">PTF-08AN</p> 	 <p style="text-align: center;">螺絲安裝孔</p> <p style="text-align: center;">卡軌安裝槽</p>	<p style="text-align: center;">Refer to Wiring diagram 2C</p>	<ol style="list-style-type: none"> 1. screws mounting 2. Din-rail mounting
BLY-1C/ BLY-2C	<p style="text-align: center;">PF-08-S/P</p> 		<p style="text-align: center;">Refer to Wiring diagram 2C</p>	<ol style="list-style-type: none"> 1. tin solder mounting



HOW TO ORDER

