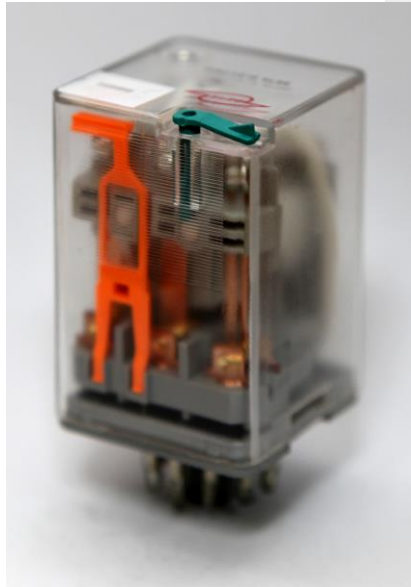


FEATURES

- Shows relay status in manual or powered condition.
- Shows coil “on” or “off” status ideal in low light conditions.
- The high coil Insulation reach to 2500V, Large capacity 16A.
- Allows for manual operation of relay without the need for coil power. ideal for field service personnel to test control circuits
- When activated, holds push button and contacts in the operate position. excellent for analyzing circuit problems
- The full feature relay includes the combination for rotary button or plain button or light or indicator flag. they can be chosen for every combination
- Allows operator to remove relays from sockets more easily than conventional relays
- Used for identification of relays in multi-relay circuits
- UL E115915



LINEUP

■ STANDARD COIL POLARITY (10amp)

Type	Contact form	Plug-in Terminals			
		Standard	With LED and flag	With LED, push button and flag	With LED, lock down push button and flag
U wiring	SPDT	BTA6-1C-U-CW	BTA6-1C-U-C-L	BTA6-1C-U-C-ML	BTA6-1C-U-C-M4L
	DPDT	BTA6-2C-U-CW	BTA6-2C-U-C-L	BTA6-2C-U-C-ML	BTA6-2C-U-C-M4L
	3PDT	BTA6-3C-U-CW	BTA6-3C-U-C-L	BTA6-3C-U-C-ML	BTA6-3C-U-C-M4L
J wiring	SPDT	BTA6-1C-J-CW	BTA6-1C-J-C-L	BTA6-1C-J-C-ML	BTA6-1C-J-C-M4L
	DPDT	BTA6-2C-J-CW	BTA6-2C-J-C-L	BTA6-2C-J-C-ML	BTA6-2C-J-C-M4L
	3PDT	BTA6-3C-J-CW	BTA6-3C-J-C-L	BTA6-3C-J-C-ML	BTA6-3C-J-C-M4L



BTA6 SERIES

BETA ELECTRIC INDUSTRY CO., LTD. RELAYS & COMPONENTS

■ STANDARD COIL POLARITY (16amp)

Type	Contact form	Plug-in Terminals			
		Standard	With LED and flag	With LED, push button and flag	With LED, lock down push button and flag
U wiring	SPDT	BTA6-1C16-U-CW	BTA6-1C16-U-C-L	BTA6-1C16-U-C-ML	BTA6-1C16-U-C-M4L
	DPDT	BTA6-2C16-U-CW	BTA6-2C16-U-C-L	BTA6-2C16-U-C-ML	BTA6-2C16-U-C-M4L
	3PDT	BTA6-3C16-U-CW	BTA6-3C16-U-C-L	BTA6-3C16-U-C-ML	BTA6-3C16-U-C-M4L
J wiring	SPDT	BTA6-1C16-J-CW	BTA6-1C16-J-C-L	BTA6-1C16-J-C-ML	BTA6-1C16-J-C-M4L
	DPDT	BTA6-2C16-J-CW	BTA6-2C16-J-C-L	BTA6-2C16-J-C-ML	BTA6-2C16-J-C-M4L
	3PDT	BTA6-3C16-J-CW	BTA6-3C16-J-C-L	BTA6-3C16-J-C-ML	BTA6-3C16-J-C-M4L

■ SOCKETS & ACCESSARIES

Type (FOR 10A)	Sockets
8-pin (1C/2C)	PF-083A
11-pin (3C)	PF-113A



SPECIFICATIONS

■ COIL RATINGS

Rated voltage		Rated current		Coil resistance (Ω)	Must operate voltage	Must release voltage	Max. voltage	Power consumption (approx.)
		50 Hz	60 Hz					
AC	6 V	684	597	4.2	85	30	110	2.0-2.75VA
	12 V	294	240	18				
	24 V	114.7	95.9	72				
	48V	73.8	65.3	290				
	110/120V	22.5	19.2	1700				
	220V	15.5	13.1	7200				
	230V	13.4	11.1	8000				
	240V	11.4	10.1	9000				
DC	6 V	169.6		32	80	10	110	1.2-2.0W
	12 V	106.2		120				
	24 V	52		470				
	48V	25.1		1800				
	110 V	10.6		10000				

Note:

1. The coil resistance is measured at a coil temperature of 25°C and 35%-70% of humidity.
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.



BETA ELECTRIC INDUSTRY CO., LTD. RELAYS & COMPONENTS

■ CONTACT RATINGS

Item	1C/2C/3C	1C/2C/3C
Resistive load(CosΦ=1)	10A 240VAC 10A 28VDC	16A 277VAC 16A 28VDC
Motor	1/3HP, 120VAC 1/2HP, 240VAC	1/3HP, 120VAC 1/2HP, 240VAC
Max. switching voltage	250VAC 125VDC	300VAC 125VDC
Max. switching current	10A	16A
Max. switching power	2400VA 280W	4432VA, 448W

■ CHARACTERISTICS

Item	All Relays
Contact resistance	100mΩ Maximum.
Contact Material	10A:AgNi, 16A:AgSnO2
Operate time	AC: 20mS Maximum, DC:20mS Maximum
Release time	AC: 15mS Maximum, DC: 15mS Maximum
Max. operating frequency	Mechanical: 18,000 operations/h Electrical: 1,800 operations/h (under rated load)
Insulation resistance	1000MΩ Minimum. At 500VDC.
Dielectric strength	Between open contact: 1500 VAC for 1 minute.
	Between contact and coil: 2500VAC for 1 minute.
	Between live parts and ground: 1500VAC for 1 minute.
Vibration resistance	Destruction: 10 to 55 Hz, 0.75-mmsingle amplitude(1.5-mm double amplitude) Malfunction: 10 to 55 Hz, 0.5-mmsingle amplitude(1.0-mm double amplitude)
Shock resistance	Destruction: 1,000 m/s ² (approx. 100G) Malfunction: 1,00 m/s ² (approx. 10G)
Endurance	Mechanical: 10,000,000 operations min (at 18,000 operations/h) Electrical: 100,000 operations min (at 1,800 operations/h under rated load)
Ambient temperature	Operating: -30°C to +50°C (AC); -30°C to +65°C (DC)
Ambient humidity	Operating: 5% to 85%
Weight	88g

BETA ELECTRIC INDUSTRY CO., LTD. RELAYS & COMPONENTS

SOCKETS SPECIFICATION

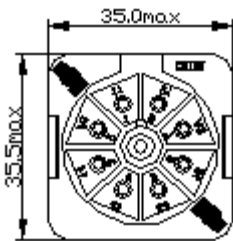
Pole	Sockets	Carry current	Dielectric withstand voltage	Insulation resistance
SPDT/DPDT	PF-083A	10A	1500VAC,1min	500M Ω Minimum. At 500VDC.
3PDT	PF-113A	10A		

DIMENSION (mm)

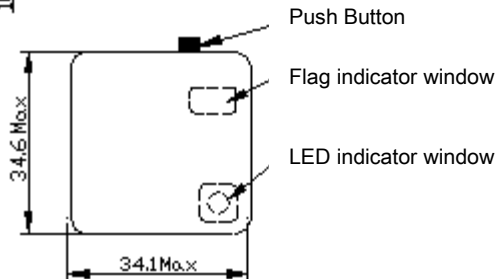
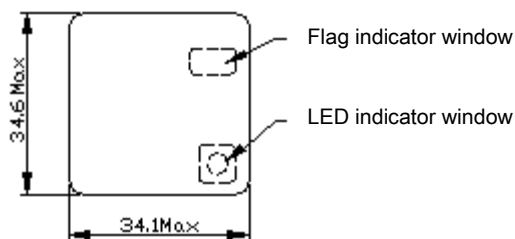
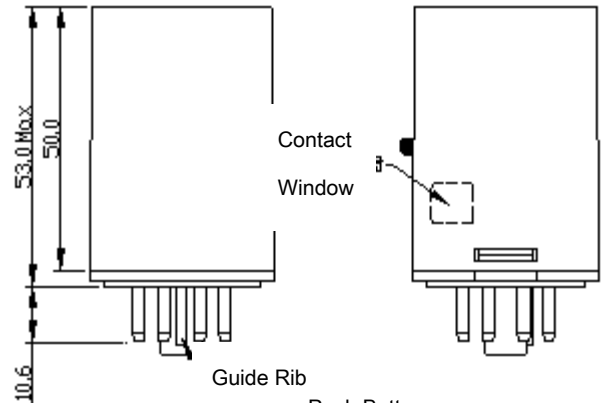
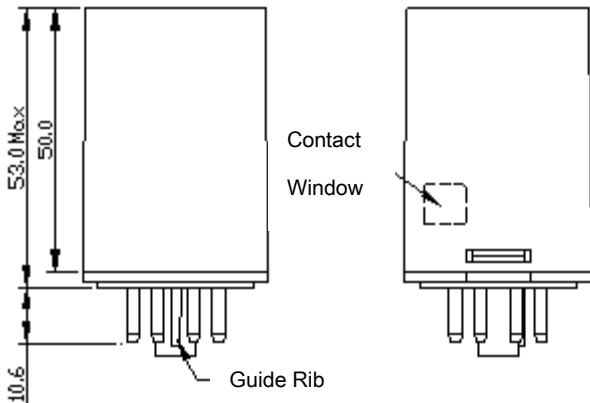
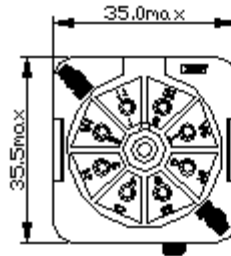
Relays with Solder/Plug-in Terminals

BTA6- 1C/2C (8 pin)

BTA6-1C/2C-C



BTA6-1C/2C-CML



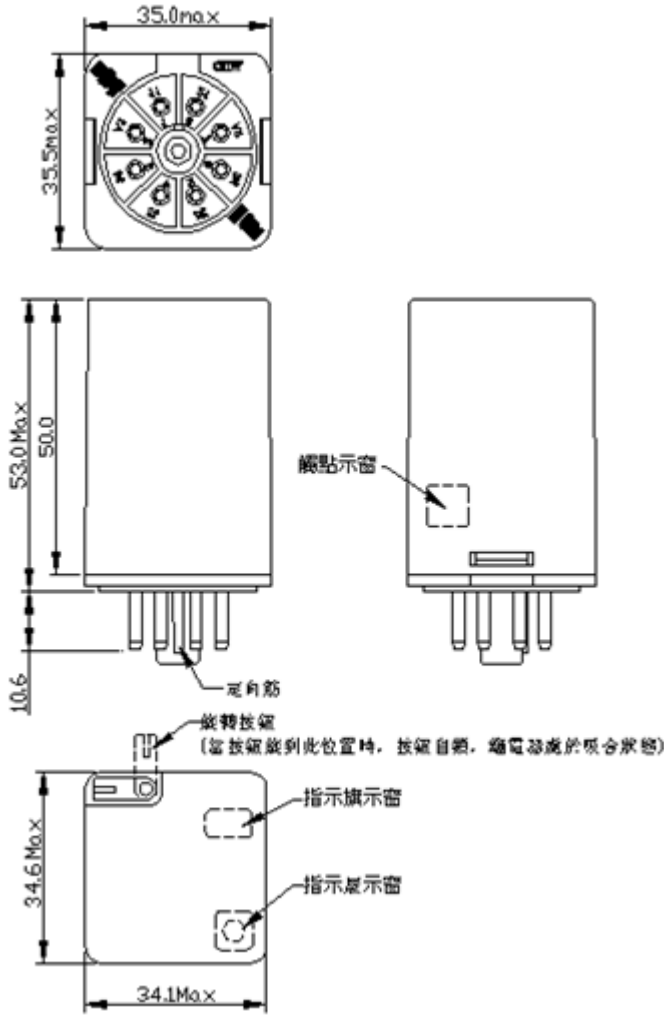


BTA6 SERIES

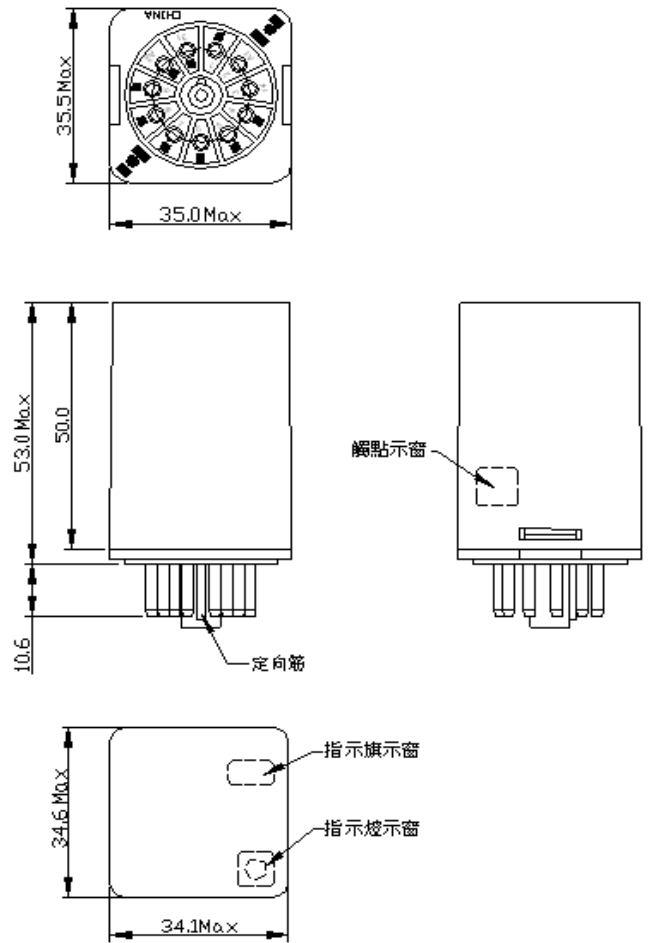
BETA ELECTRIC INDUSTRY CO., LTD. RELAYS & COMPONENTS

BTA6- 3C (11 pin)

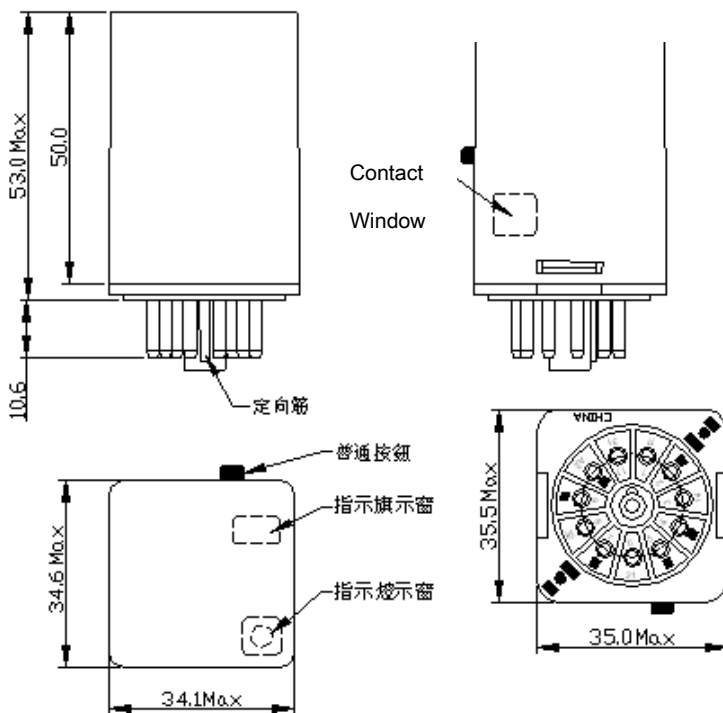
BTA6-1C/2C-CM4L



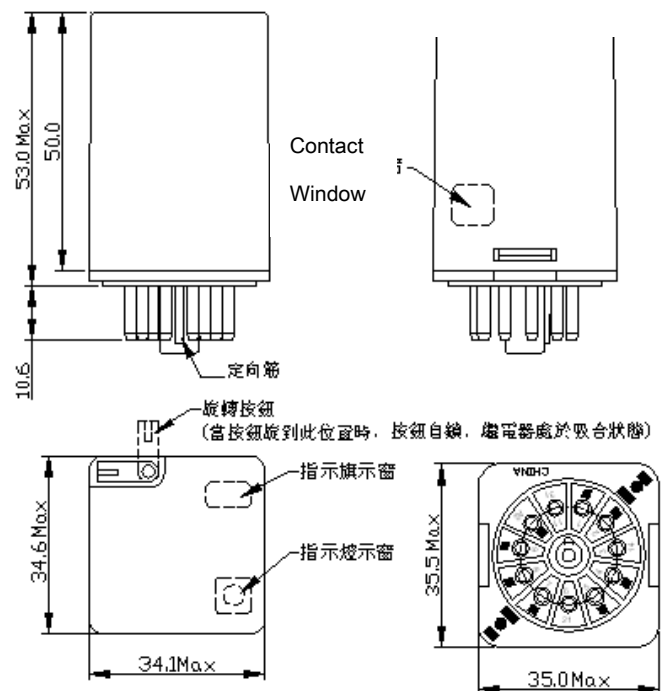
BTA6-3C-C



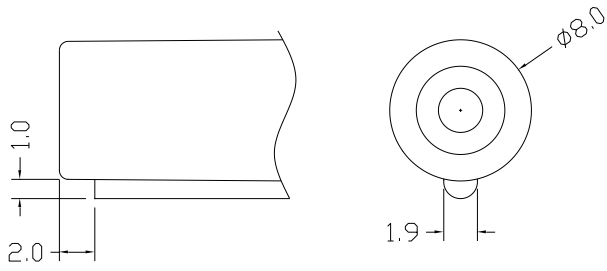
BTA6-3C-CML



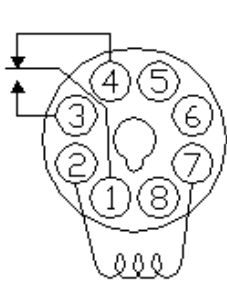
BTA6-3C-CM4L



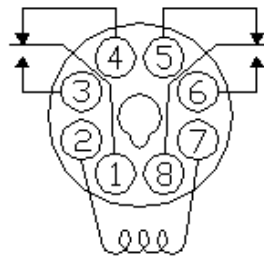
Guide Rib



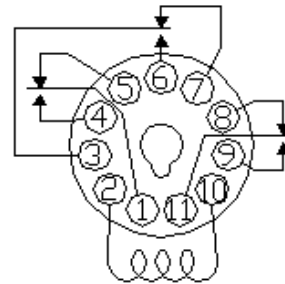
Wiring diagram



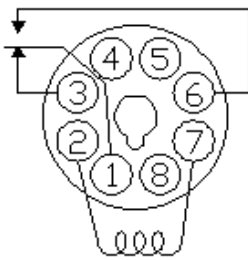
1C-J



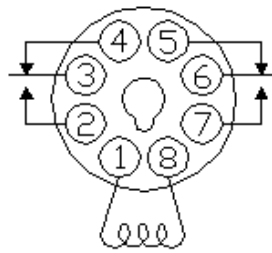
2C-J



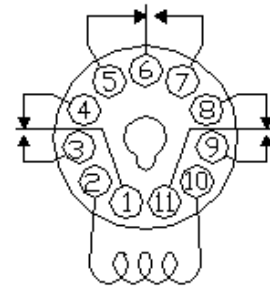
3C-J



1C-U




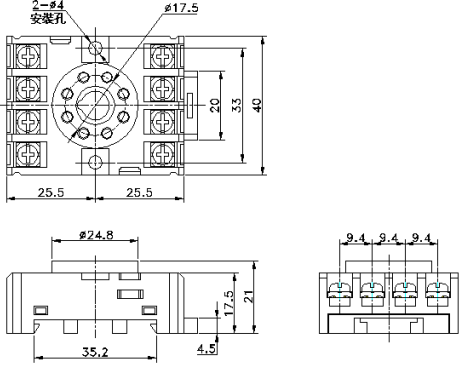
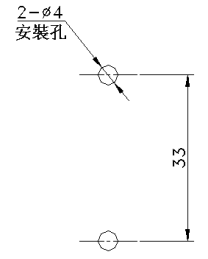

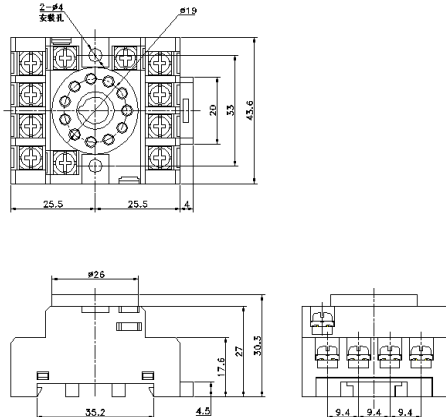
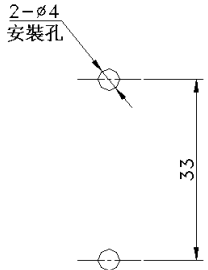
2C-U



3C-U

■ ACCESSORIES

SOCKET

Type	Socket (FOR 10A)	Dimension	Wiring	Mounting
SPDT/ DPDT	<p>PF-083A</p> 		<p>見 8-pins Wire diagram S</p>	<p>1. track mounting 2. screw mounting</p> 
3PDT	<p>PF-113A</p> 		<p>見 11-pins Wire diagram S</p>	<p>1. track mounting 2. screw mounting</p> 



HOW TO ORDER

