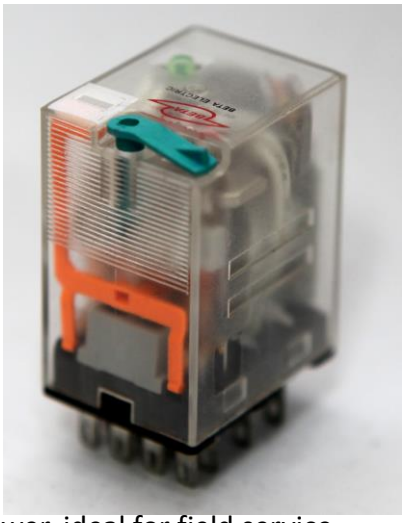
FEATURES



- 3A / 5A/10A of general purpose relay
- DPDT and 3PDT and 4PDT contact arrangement
- Bifurcated contact: To increase contact reliability
- Flag indicator: Shows relay status or power condition
- L.E.D. status lamp: Shows coil “on” or “off” status.
- Rotary button: Allows for manual operation of relay without the need for coil power, ideal for field service personnel to test control circuits.
- 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
- Cover adapters: Din rail flange adapter or top/bottom flange adapter, allows the BMY5 relay to be direct mounted to a din rail or panel
- UL：E115915/TUV

LINEUP

- **STANDARD COIL POLARITY**

Contact Form	Current	Plug-in socket/Solder terminals				
		Standard	With LED	With LED Indicator	With LED Indicator, plain button	With LED Indicator, rotate button
DPDT	3A	BMY5-2C1-S-CW	BMY5-2C1-S-CWL	BMY5-2C1-S-CL	BMY5-2C1-S-CML	BMY5-2C1-S-CM4L
	Bifurcated 3A	BMY5-2C3-S-CW	BMY5-2C3-S-CWL	BMY5-2C3-S-CL	BMY5-2C3-S-CML	BMY5-2C3-S-CM4L
	5A	BMY5-2C5-S-CW	BMY5-2C5-S-CWL	BMY5-2C5-S-CL	BMY5-2C5-S-CML	BMY5-2C5-S-CM4L
	10A	BMY5-2C10-S-CW	BMY5-2C10-S-CWL	BMY5-2C10-S-CL	BMY5-2C10-S-CML	BMY5-2C10-S-CM4L
3PDT	10A	BMY5-3C10-S-CW	BMY5-3C10-S-CWL	BMY5-3C10-S-CL	BMY5-3C10-S-CML	BMY5-3C10-S-CM4L
4PDT	3A	BMY5-4C1-S-CW	BMY5-4C1-S-CWL	BMY5-4C1-S-CL	BMY5-4C1-S-CML	BMY5-4C1-S-CM4L
	Bifurcated 3A	BMY5-4C3-S-CW	BMY5-4C3-S-CWL	BMY5-4C3-S-CL	BMY5-4C3-S-CML	BMY5-4C3-S-CM4L
	5A	BMY5-4C5-S-CW	BMY5-4C5-S-CWL	BMY5-4C5-S-CL	BMY5-4C5-S-CML	BMY5-4C5-S-CM4L
	10A	BMY5-4C10-S-CW	BMY5-4C10-S-CWL	BMY5-4C10-S-CL	BMY5-4C10-S-CML	BMY5-4C10-S-CM4L

Note： You can choose two different types of terminal by switching the codes. For instance: BMY5-2C3-P-CW (P type) can be changed to BMY5-2C3-S-CW (S type)

■ SOCKETS & ACCESSARIES

Contact Form	Front-connecting Socket (FOR 3A/5A) (DIN-track/screw mounting)	TOP COVER DIN ADAPTER	TOP OR BOTTOM FLANGE ADAPTER
DPDT	PYF-08A、PY-08-P/S	BLY6-59-A	BLY6-59-B
3PDT	NONE	BLY6-59-A	BLY6-59-B
4PDT	PYF-14、PYF-14A、PY-14-P/S	BLY6-59-A	BLY6-59-B

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	9.5	80%	30%	110%	1.2VA
	12 V	94.2	73.5	46				
	24 V	54.5	46.5	180				
	48 V	24.1	18.2	770				
	110V	11.2	8.1	3830				
	120 V	11.5	8.4	4430				
	220/230 V	6.9	5.8	15000				
	240 V	6.1	3.8	15700				
DC	6 V	150		40	75%	10%		0.89-1.1W
	12 V	74.5		160				
	24 V	36		650				
	48 V	14.5		2600				
	110 V	9.7		11000				

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℃ indicated in the percentage of the rated voltages.
3. The coil rated current is measured as the real current consumption under the rated voltages.

■ CONTACT RATINGS

Item	BMY5-2C1/4C1 (WITHOUT TUV)	BMY5-2C3/4C3 （Bifurcated）	BMY5-2C5/4C5	BMY5-2C10/3C10/4C10
Resistive load (cosΦ = 1)	UL：3A, 28VDC 3A, 120VAC 3A, 240VAC	TUV：3A, 28VDC 3A, 240VAC UL：3A, 28VDC 3A, 120VAC 3A, 277VAC	TUV：5A, 28VDC 5A, 240VAC UL：5A, 28VDC 5A, 277VAC	TUV：8A, 28VDC 10A, 120VAC UL：8A, 28VDC 8A, 277VAC 10A, 120VAC
Inductive load (TUV) (cosΦ = 0.4, L/R = 7 ms)	NONE	1A, 240VAC 1.5A, 24VDC	2A, 240VAC 2A, 24VDC	5A, 240VAC 5A, 24VDC
Motor (UL)	1/10HP, 120VAC	1/10HP 120VAC	1/10HP, 120VAC	1/3HP 120VAC
	1/10HP, 240VAC	1/10HP 240VAC	1/10HP, 240VAC	1/2HP 277VAC
Carry current	3A	3A	5A	10A
Max. switching voltage	300 VAC 125 VDC	300 VAC 125 VDC	300 VAC 125 VDC	300 VAC 125 VDC
Max. switching current	5A	5A	8A	12A
Max. switching power	831VA 84W	831VA 84W	1385VA 140W	2216VA 224W

CHARACTERISTICS

Item	All Relays
Contact resistance	3A：50 mΩ max。 5A，10A：100mΩ max
Contact Material	3A:Ag gold plated，5A/10A:AgNi
Operate time	20 ms max
Release time	15 ms max
Max. operating frequency	Mechanical: 18,000 operations/hr Electrical: 1,800 operations/hr (under rated load)
Insulation resistance	500MΩ minimum at 500VDC
Dielectric strength	Between open contact: 1000 VAC for 1 minute，Coil to frame: 1500VAC for 1 minute， Contact to coil: 1500 VAC for 1 minute，Pole to pole:1500 VAC for 1 minute
Vibration resistance	Destruction: 10 to 55 Hz, 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/s² Malfunction: 200 m/s²
Endurance	Mechanical life：10,000,000 operations，Electrical life：100,000 operations
Ambient temperature	-25°C to +50°C (AC); -25°C to +55°C (DC)
Ambient humidity	Operating: 5% to 85%
Weight	35g

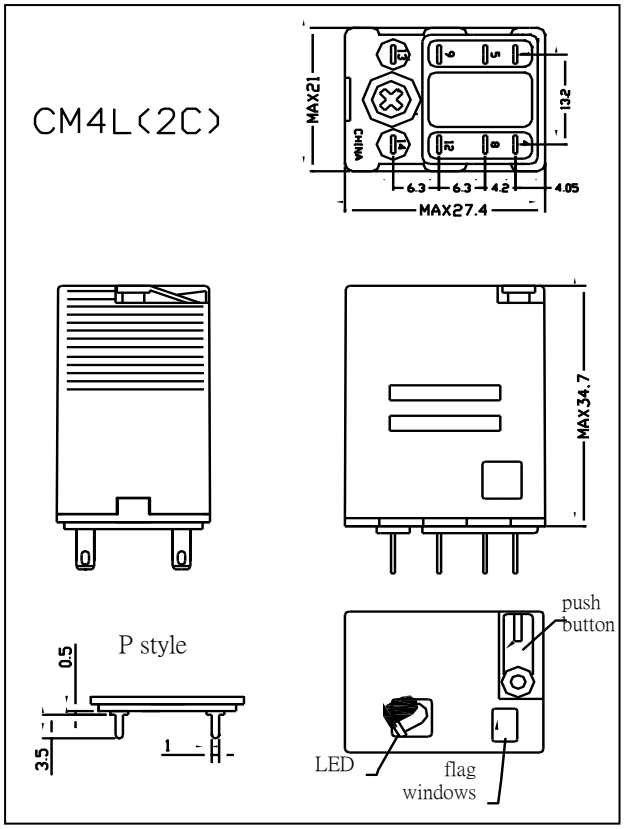
SOCKETS

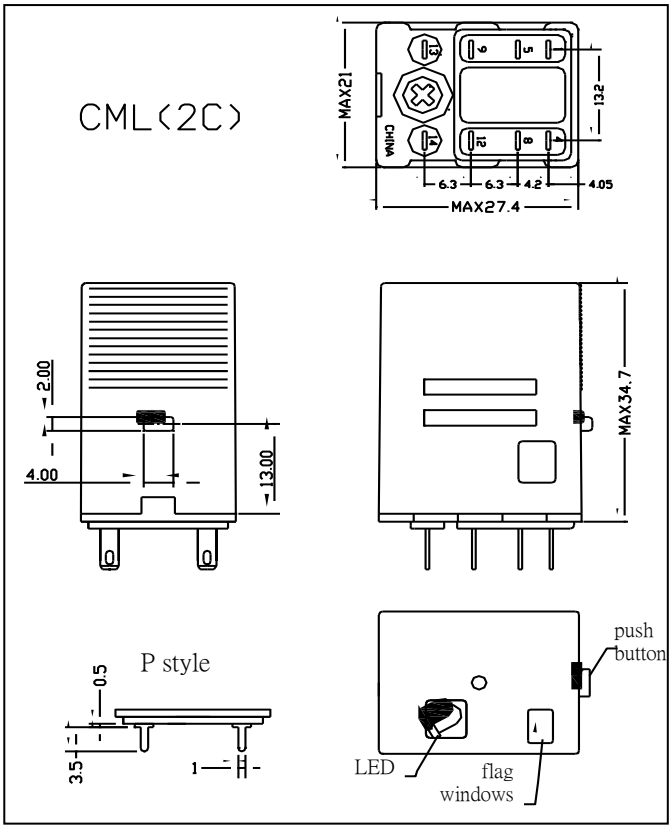
Contact form	Model(FOR 3A/5A)	Dielectric withstand voltage	Insulation resistance
DPDT	PYF-08A	1800VAC，1mA/min	500MΩ @500VDC
	PY-08-P/S	1800VAC，1mA/min	500MΩ @500VDC
4PDT	PYF-14	1800VAC，1mA/min	500MΩ @500VDC
	PYF-14A	1800VAC，1mA/min	500MΩ @500VDC
	PY-14-P/S	1800VAC，1mA/min	500MΩ @500VDC

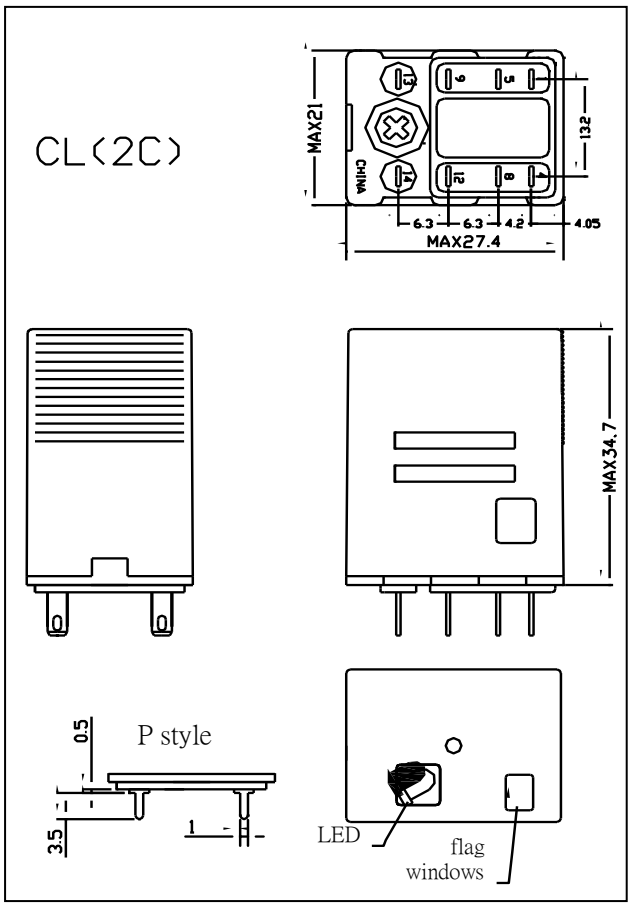
DIMENSION

■ Relays with Solder/Plug-in Terminals

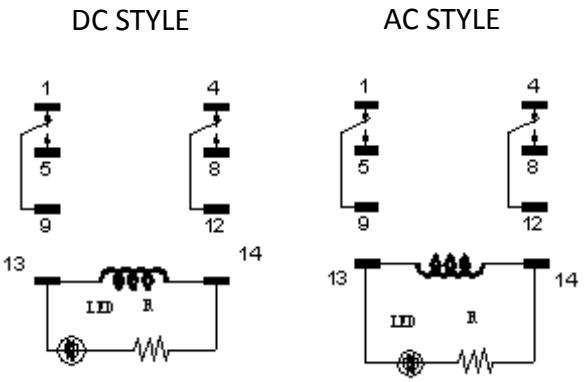
BMY5-2C



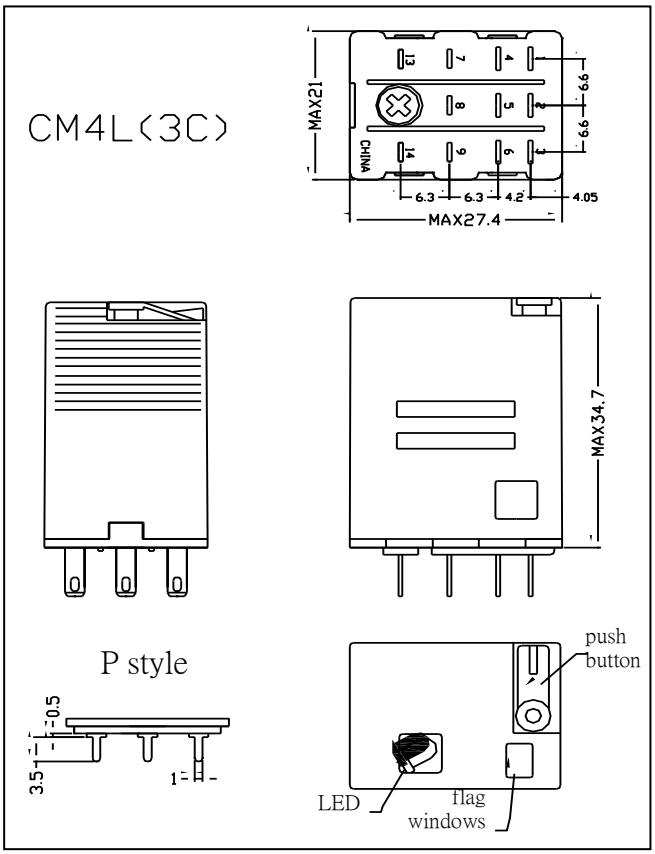


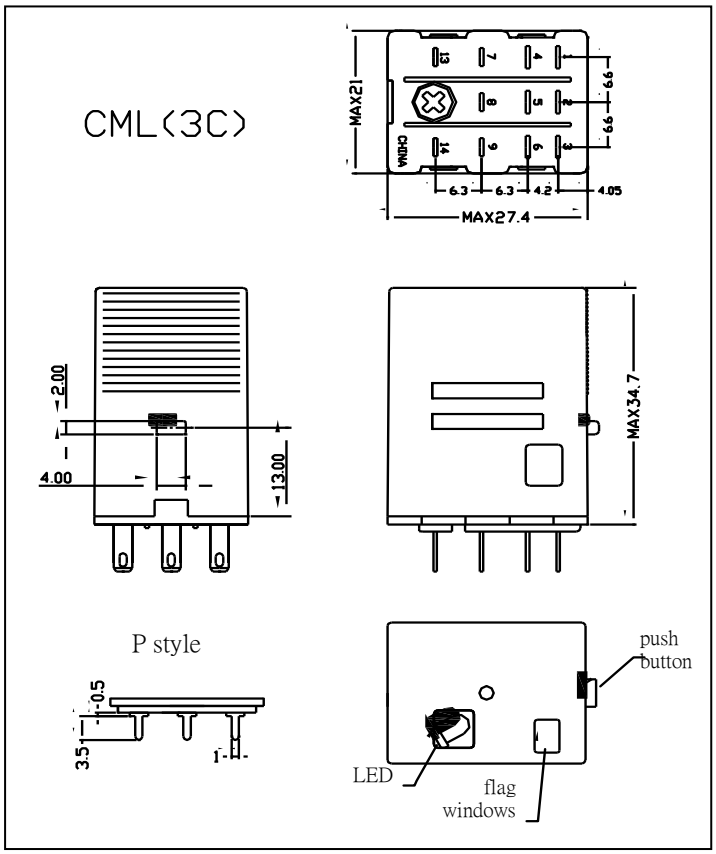


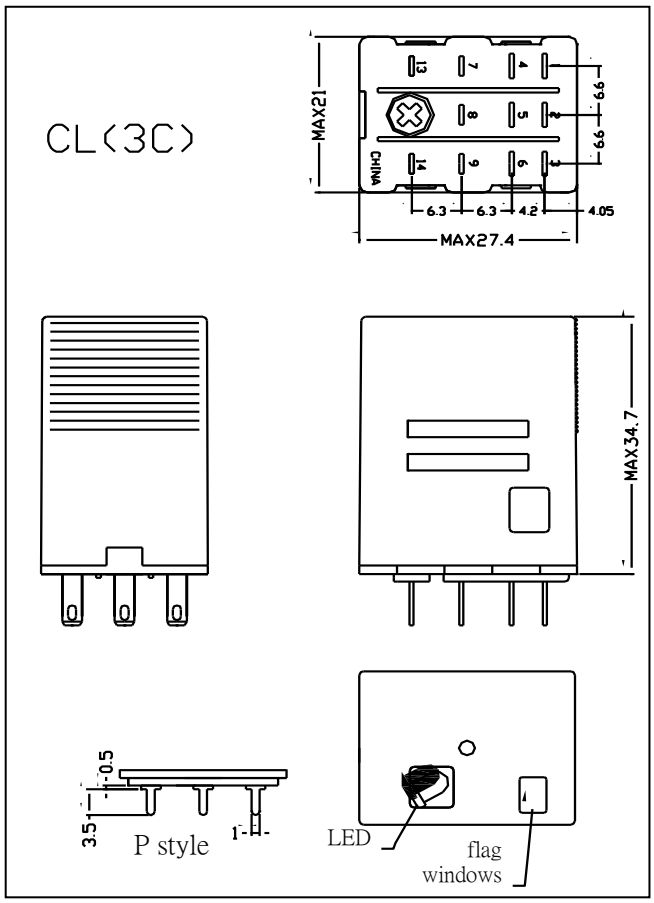
Wiring diagram



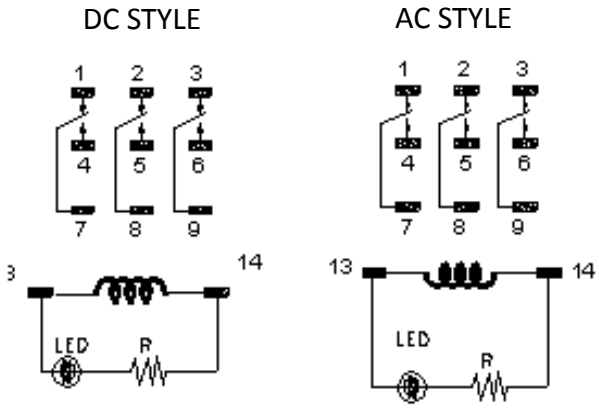
BMY5-3C





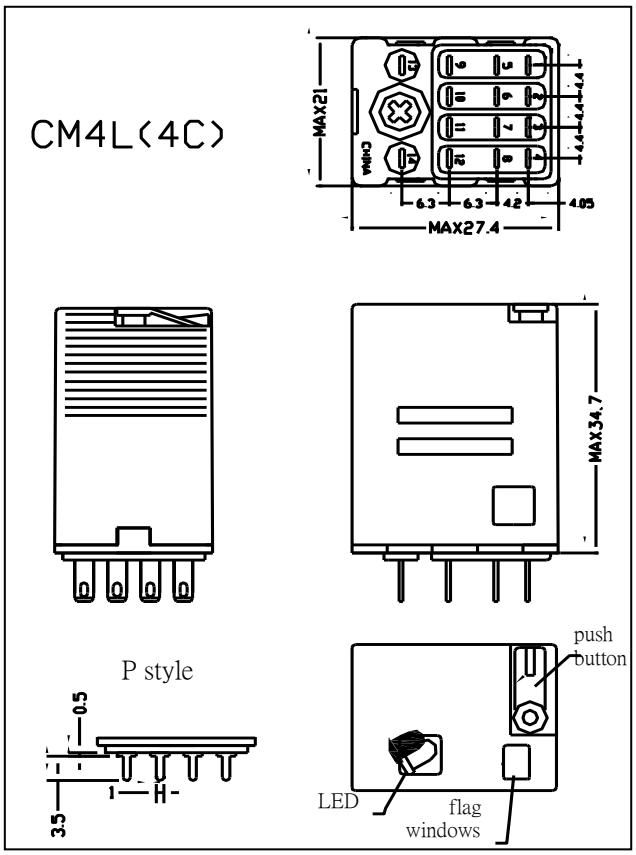


Wiring diagram

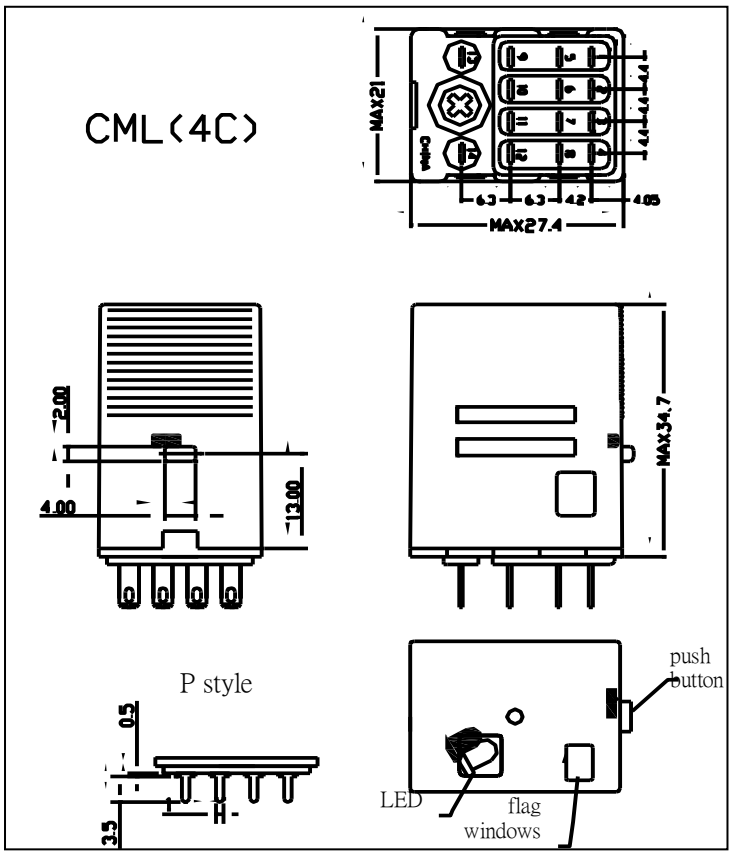


BMY5-4C

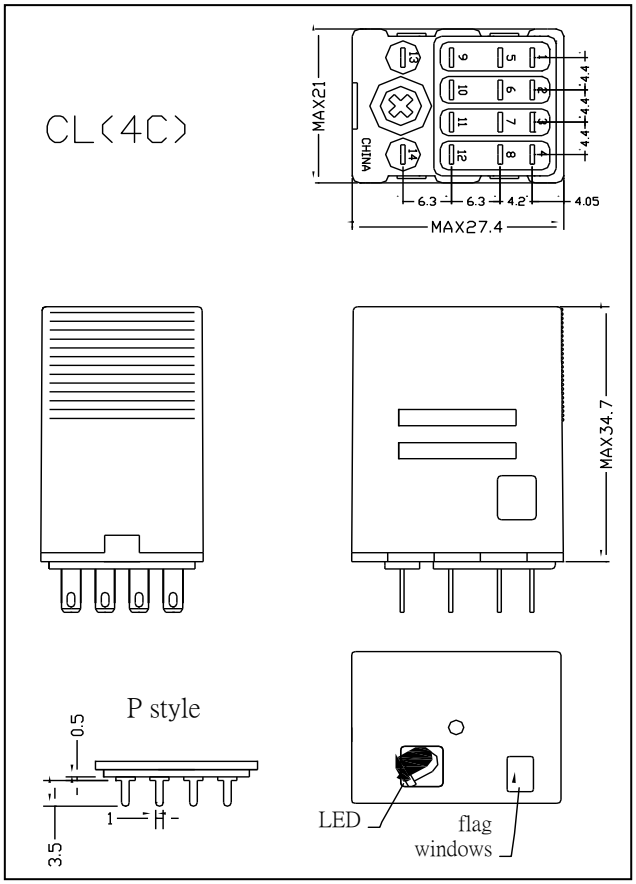
CM4L(4C)



CML(4C)

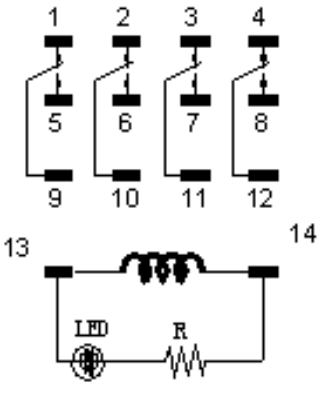


CL(4C)

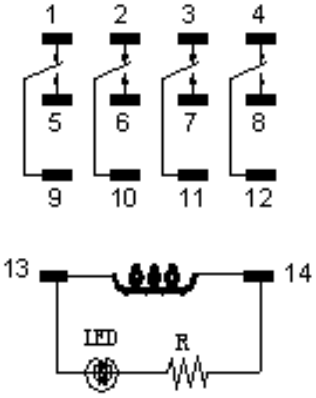


Wiring diagram

DC STYLE

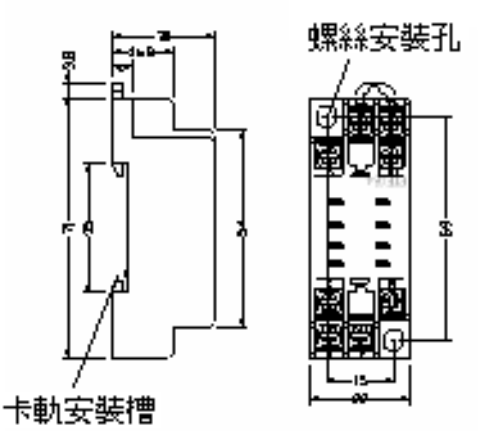
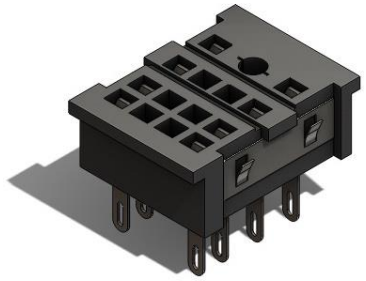
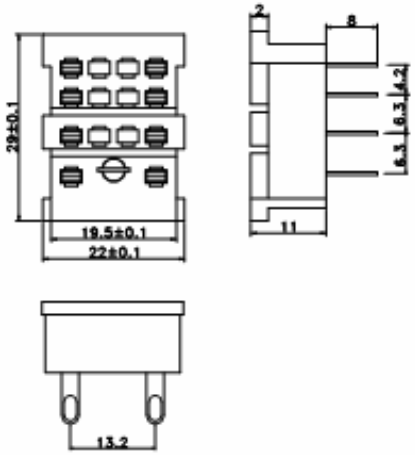
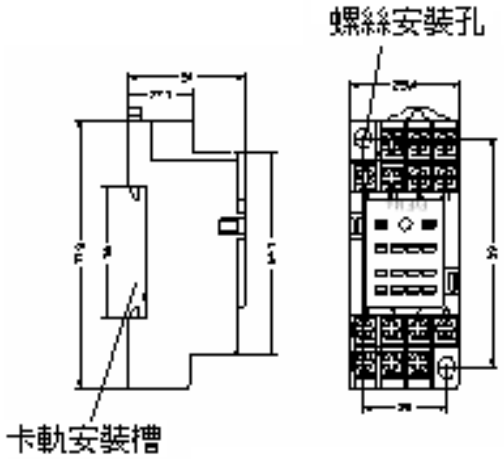


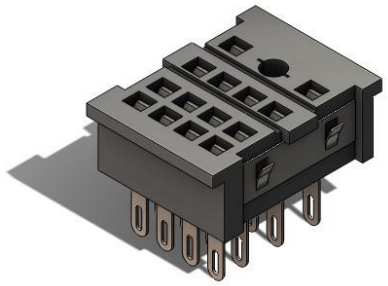
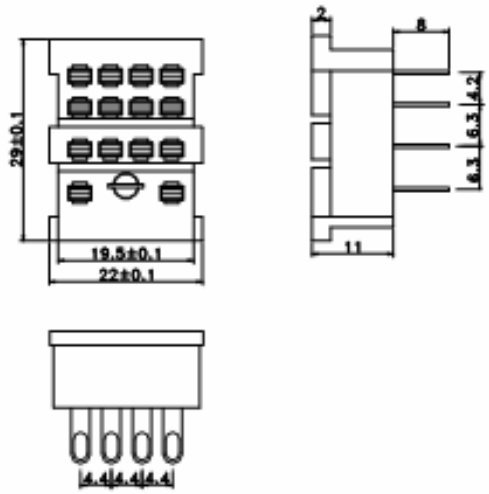
AC STYLE



■ ACCESSARIES

SOCKETS

Poles	3D	Dimension	Wiring diagram	mounting
2	PYF-08A、 		Refer to Wiring diagram 2C	1. screw mounting 2.din rail mounting
	PY-08-P/S 		Refer to Wiring diagram 2C	Tin solder mounting
4	PYF-14A 		Refer to Wiring diagram 4C	1. screw mounting 2. din rail mounting

Poles	3D	Dimension	Wiring diagram	mounting
4	PY-14-P/S 		Refer to Wiring diagram 4C	Tin solder mounting

HOW TO ORDER

BMY5- 3C __ S- C M4L- 12VAC

- Coil Voltage
- Options
  - M- Manual Push Button
  - 4- Lock Down Door
  - L- LED
  - W- Without Flag
- Cover Style
  - C- Plain Cover
- Terminal Style
  - S- S Style
  - P- P Style
- Contact Rating
  - 1- 3A
  - 3- 3A Bifurcated
  - 5- 5A
  - 10- 10A
- Contact Arrangement
  - 2C- DPDT
  - 3C- 3PDT
  - 4C- 4PDT
- Series-BMY5