



BLY-2C



## Main Feature

- >15A contact rating
- >various contact form: (1C)SPDT/ (2C)DPDT
- >stander clear cover
- >LED indicator : shows coil ON/OFF status
- >plug in or PCB mounted terminal can be chosed

## How to order

| Discription  | BM Y5 | 2C | 5 | S | C | M4WL | D24 |
|--|-------|----|---|---|---|------|-----|
| Type: BM Y5  |       |    |   |   |   |      |     |
| contact form<br>2C:DPDT 3C:DPDT 4C:4PDT  |       |    |   |   |   |      |     |
| contact load<br>5:5A 10:10A  |       |    |   |   |   |      |     |
| terminal type<br>S:stander plug in style P:PCB mounted pins                        |       |    |   |   |   |      |     |
| cover style<br>C:stander clear cover   |       |    |   |   |   |      |     |
| options:<br>M: manual push button<br>4: lock down door<br>W:without flag<br>L: LED |       |    |   |   |   |      |     |
| Coil voltage<br>A: AC D: DC (AC: 6V~240V DC: 6V~110V )                             |       |    |   |   |   |      |     |

## >Characteristic

|                                |                      |                                   |                              |                   |
|--------------------------------|----------------------|-----------------------------------|------------------------------|-------------------|
| contact                        | type                 | 1C                                | 2C                           |                   |
|                                | load                 | resistive                         | 15A @30VDC/240VAC            | 10A @30VDC/240VAC |
|                                |                      | motor                             | 1/3hp @ 120VAC, 1/2hp@240VAC |                   |
|                                | switching power      | 450W,3600VA                       |                              |                   |
|                                | switching current    | 12A                               |                              |                   |
|                                | resistance           | ≤50mΩ                             |                              |                   |
|                                | material             | AgSnO2 银锡                         |                              |                   |
|                                | electrical life      | 10,000 ops                        |                              |                   |
| mechanical life                | 1000,000 ops         |                                   |                              |                   |
| must operate voltage ( 23°C )  |                      | DC:≤75%, AC: ≤80% 50/60HZ         |                              |                   |
| must release voltage ( 23°C )  |                      | DC:≥10%, AC: ≥30% 50/60HZ         |                              |                   |
| max voltage ( 23°C )           |                      | 110%                              |                              |                   |
| Insulation resistance          |                      | 500MΩ @500VDC                     |                              |                   |
| power consumption              | DC(W)                | 0.9W                              |                              |                   |
|                                | AC(VA)               | 1.2VA                             |                              |                   |
| operate time                   |                      | ≤20ms                             |                              |                   |
| release time                   |                      | ≤15ms                             |                              |                   |
| dielectric strength            | between open contact | 1000VAC,1Min ( 漏电流1mA)            |                              |                   |
|                                | pole to pole         | 1500VAC,1Min ( 漏电流1mA)            |                              |                   |
|                                | contact to coil      | 1500VAC,1Min ( 漏电流1mA)            |                              |                   |
| ambient temperature            |                      | -25°C~+70°C (AC/DC) (无结冰、无结露)     |                              |                   |
| ambient humidity               |                      | 5%RH~85%RH                        |                              |                   |
| atmosphere                     |                      | 86-106KPa                         |                              |                   |
| shock resistance (malfunction) |                      | 98m/s <sup>2</sup>                |                              |                   |
| shock resistance (destruction) |                      | 980m/s <sup>2</sup>               |                              |                   |
| vibration resistance           |                      | 10Hz~55Hz, Double amplitude 1.0mm |                              |                   |

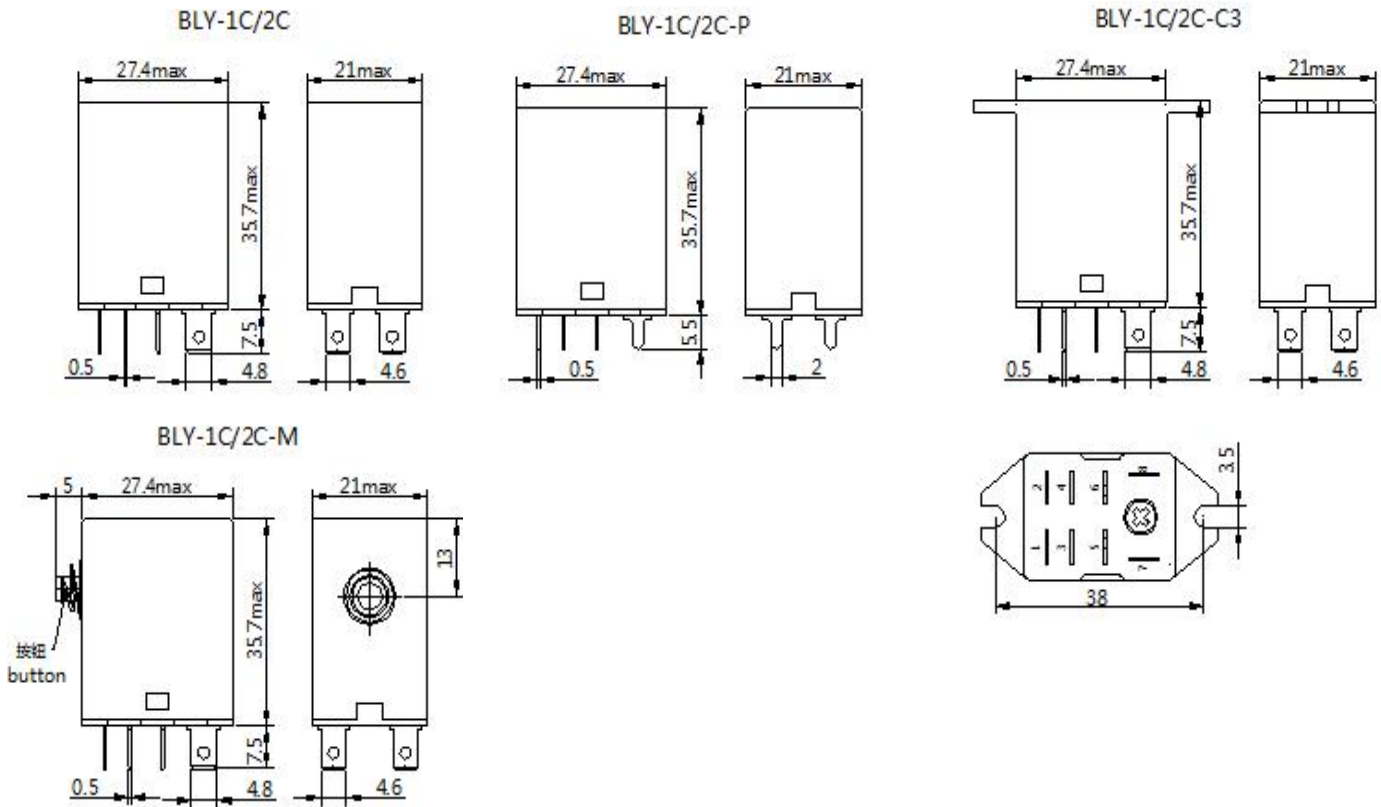
|                |                                 |
|----------------|---------------------------------|
| terminal types | plug in or PCB mounted terminal |
| dimension      | 28mm×21.5mm×35mm                |
| weight         | 约35g                            |

### >Coil rating (temperature + 23℃)

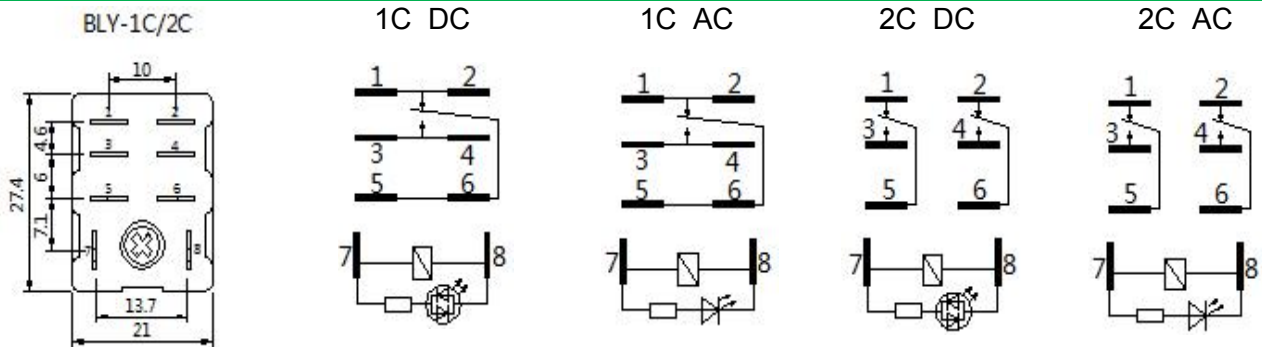
|    | Rated Voltage (V) | Must Operate (V) | Must Release (V) | Max (V) | Coil Resistance(Ω)±10% |
|----|-------------------|------------------|------------------|---------|------------------------|
| DC | 6VDC              | ≤75%             | ≥10%             | 110%    | 40                     |
|    | 12VDC             |                  |                  |         | 160                    |
|    | 24VDC             |                  |                  |         | 650                    |
|    | 48VDC             |                  |                  |         | 2600                   |
|    | 110VDC            |                  |                  |         | 11000                  |
| AC | 6VAC              | ≤80%             | ≥30%             | 110%    | 9.5                    |
|    | 12VAC             |                  |                  |         | 46                     |
|    | 24VAC             |                  |                  |         | 180                    |
|    | 48VAC             |                  |                  |         | 770                    |
|    | 110VAC            |                  |                  |         | 3830                   |
|    | 120VAC            |                  |                  |         | 4430                   |
|    | 220VAC/230VAC     |                  |                  |         | 15000                  |
|    | 240VAC            |                  |                  |         | 15700                  |

Note: The maximum voltage is the maximum that the relay can withstand in a short period of time.

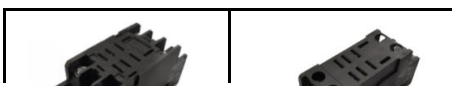
### >Dimension (mm)



### >Wire diagram



### >>>socket (相关参数见BLY5插座说明)





PTF-08A/B

PTF-08