# ▶ 16Ø M6 SERIES

## ◆ Description/特性:

- Apparent shape:
  Round(φ18mm). Square(18×18mm).Rectangular(18×24mm).
  外觀形狀：
  圓形(φ18mm)，正方形(18×18mm)，長方形(18×24mm)
- Install and remove the contact block easily.
  接點塊插入與移除容易。
- Gold-clad cross bar contact.
  鍍金棒橫條接點。
- Solder/plug-in terminal(#110)and P.C board terminal type.
  焊接/插Pin與P.C板用端子。
- Light touch structure.
  輕觸式機構。
- Use of High Performance Engineering Plastics.
  使用高性能工程塑膠。
- protective grade保護程度:
  IP65(IEC Pud 529)
- Accessories are available with Laser marking.



## ◆ ELECTRICAL RATINGS 電氣額定:

### Contact 接點

| | |
|---|---|
| Rated voltage 額定電壓 | 250V AC/DC |
| Rated current 額定電流 | 5A |

| Operating Voltage 操作電壓 | | 30V | 125V | 250V |
|---|---|---|---|---|
| Operating current(Resistive) 操作電流(電阻性) | AC | * | 3A | 2A |
| | DC | 2A | 0.4A | * |

minimum applicable load (reference value):5V 1mA AC/DC

### Lamp 燈泡

| Lamp type 種類 | Rated voltage 額定電壓 | Rated current 額定電流 | Illumination color 照光顏色 |
|---|---|---|---|
| Incandescent lamp(AC/DC) 白熱燈 | 6V | 200mA | * |
| | 14V | 80mA | * |
| | 28V | 40mA | * |
| LED lamp (D C) LED 燈 | 6V | 25mA | Red(R) White(W) |
| | 12V | 25mA | Green(G) |
| | 24V | 25mA | Yellow(Y) Blue(B) |
| Neon lamp (A C) 霓虹燈 | 110V | 1.2mA | Red(R) |
| | 220V | 1.2mA | Green(G) |

### SPECIFICATIONS

| | |
|---|---|
| Operating Temperature | -25°C ~ +55°C (Without freezing) |
| Storage Temperature | -30°C ~ +80°C |
| Operating Humidity | 45 ~ 85% RH |
| Contact Resistance | 50mΩ maximum(initial value) |
| Insulation Resistance | 100MΩ minimum(500V DC megger) |
| Dielectric strength | Between live part and ground:2500VAC:1minute |
| | Between terminals of different poles:2500VAC:1minute |
| | Between terminals of the same poles:1000VAC:1minute |
| Vibration Resistance | Operating extremes:5~55Hz,Amplitude 1.0mmp-p |
| | Damage limits:1000m/s² (Approx:100G) |
| | Operating extremes:1000m/s² (Approx:10G) |
| Mechanical Life (min) | Momentary:2,000,000 |
| | Alternate:250,000 |
| | Selector switch:250,000 |
| Electrical Life (min) (0.5A,110VAC)MAX | Momentary:100,000(1800 operations/hour) |
| | Alternate:100,000(1200 operations/hour) |
| | Selector switch:100,000 |
| Protection Degree | IP65(IEC Pud 529) |

## ◆ Illuminated Selector/Selector Switches 照光選擇/選擇開關



**Type No**

**• Illuminated Selector Switches**

M6 S-□ □ □ □ □ - □ □

① ø 16mm series code 系列代號
② Selector Switches 選擇開關
③ ④ ⑤ ⑥

**• Selector Switches**

M6 S-□ □ □ □

① ② ③ ④

### ① Shape 形狀

| Shape | Code |
|---|---|
| Round | A |
| Square | B |
| Rectangular | C |

### ② Operation 操作方式

| Position | | | Code |
|---|---|---|---|
| 2 Position 二段 | Maintained | 1 2 | 20 |
| | Spring return from right | 1 2 | 22 |
| 3 Position 三段 | Maintained | 1 0 2 | 30 |
| | Spring return from left | 1 0 2 | 31 |
| | Spring return from right | 1 0 2 | 32 |
| | 2-way Spring return | 1 0 2 | 33 |

### ③ Terminal Style 端子型式

| Terminal | Code |
|---|---|
| Solder/Plug-in | S |
| PC board | P |

### ④ Contact 接點

| Contact | Code |
|---|---|
| 1C | 1 |
| 2C | 2 |

### ⑤ Lamp 燈泡

| Incandescent(AC/DC) | | Neon(AC) | | LED (DC) | |
|---|---|---|---|---|---|
| V | Code | V | Code | V | Code |
| 6V | 06 | 110V | 110 | 6V | 06E |
| 14V | 14 | 220V | 220 | 12V | 12E |
| 28V | 28 | * | * | 24V | 24E |

### ⑥ Lens Color 色蓋顏色

| Color | Code |
|---|---|
| Red | R |
| Green | G |
| Yellow | Y |
| Orange | O |
| White | W |
| Blue | B |
| Opague | WO |

- Neon lamp color : Red (R) Green (G)
- LED lamp color : Red (R) Green (G) Yellow (Y) White(W) Blue(B)

| Shape | Position | | | Contact | Type No.(Illuminated Selector) | Type No.(Selector) |
|---|---|---|---|---|---|---|
| φ18 | 2 Position | Maintained 保持 | 1 2 | 1C | M6S - □ 20S1- □□ | M6S - □ 20S1 |
| | | | | 2C | M6S - □ 20S2- □□ | M6S - □ 20S2 |
| | | Spring return from right 由右自動復歸 | 1 2 | 1C | M6S - □ 22S1- □□ | M6S - □ 22S1 |
| | | | | 2C | M6S - □ 22S2- □□ | M6S - □ 22S2 |
| 18×18 | 3 Position | Maintained 保持 | 1 0 2 | 2C | M6S - □ 30S2- □□ | M6S - □ 30S2 |
| | | Spring return from left 由左自動復歸 | 1 0 2 | 2C | M6S - □ 31S2- □□ | M6S - □ 31S2 |
| 18×24 | | Spring return from right 由右自動復歸 | 1 0 2 | 2C | M6S - □ 32S2- □□ | M6S - □ 32S2 |
| | | 2-way Spring return 雙向自動復歸 | 1 0 2 | 2C | M6S - □ 33S2- □□ | M6S - □ 33S2 |

※This list is only for solder/plug-in terminal type. 此表為焊接/插Pin式端子型式
※The Type No. of P.C board terminal type is as example below. P.C板端子型式編號如下例

Example: M6S - A 20S1 - 28 R （焊接/插Pin式端子） M6S-A20S1
Solder/plug-in terminal

M6S - A 20P1 - 28 R （P.C板用端子） M6S-A20P1
P.C board terminal