



勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-54151736
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)



Precision Switch

Fine Control

01 系列



UL E172555 CE S D N FI CQC



特性

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- ☐ 安裝孔徑16mm，提供三種外觀尺寸：
長方框18 X 24 mm 正方框 18 X 18 mm 圓框 18 mm。
- ☐ 提供內置防水規格，具IP65防護等級，可避免面板前的液體滲透。
- ☐ 加高邊框，防止不必要的誤碰致動。
- ☐ 使用前置型 MG T1 3/4 白熾燈、氬氣燈及LED燈。
- ☐ 開關機構採滑切機構，能自行清除接點表面的積碳。
- ☐ 每組開關單元提供一組常閉和一組常開接點。
- ☐ 高性能工程塑料，耐高溫及油污的工作環境。
- ☐ 使用防火等級UL94V0的塑料，開關本體具自熄性。

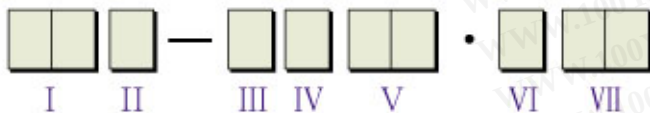
技術規格

- ☐ 接點材料：全銀合金
- ☐ 接點容量：250 VAC / 5A (p.f. $\geq$ 0.9)
- ☐ 導電電阻：小於 50 m Ω
- ☐ 電氣壽命：

5 A / 250 VAC	50,000次操作
4 A / 250 VAC	60,000次操作
2 A / 250 VAC	200,000次操作
1 A / 250 VAC	400,000次操作
- ☐ 絕緣強度：在所有端子與塑料殼體部份，2500 VAC, 50Hz, 1 分鐘
- ☐ 絕緣阻抗：在 500 VDC 下，大於10⁴ M Ω
- ☐ 耐焊溫度：300 °C / 5 秒
- ☐ 操作溫度：- 25 °C to + 55 °C
- ☐ 貯存溫度：- 40 °C to + 85 °C
- ☐ 殼體材料：耐高溫抗油污高性能塑膠材料，具防火自熄性

編碼說明

☐ 主件品號



I : 主系列碼

01 = 安裝孔徑16 mm的指示器與控制開關

II : 主體功能

P = 指示燈與按鈕開關

B = 蜂鳴器

K = 鑰匙開關

S = 選擇開關

III : 外觀形狀

C = 圓框

S = 正方框

R = 長方框

IV : 致動模式

01P 類 (指示燈與按鈕開關) :	I = 指示燈	M = 復歸型	A = 交替型
01K 類 (鑰匙開關) :	M = 2位復歸型	A = 2位交替型	
01S 類 (選擇開關) :	M = 2位復歸型	A = 2位交替型	
01B 類 (蜂鳴器) :	C = 連續聲	I = 間歇聲	

V : 防護等級 40 = 標準型

65 = 防水型

VI : 端腳類別 S = 焊端

Q = 插端

VII : 接點型態 1P = 1A1B

2P = 2A2B

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□ 訂號說明

► 01P 指示燈與按鈕開關

例 01P - RA40 . Q1P + R + L 24

I II III

I : 色蓋色碼 W = 白色 R = 紅色 Y = 黃色 G = 淺綠 B = 藍色 O = 橙色 V = 深綠 K = 黑色

II : 用燈光源 L = LED 燈 D = 鎢絲燈 A = 氬氬燈 省略 = 不帶燈

III : 使用電壓 06 = 6 VDC 12 = 12 VDC 24 = 24 VDC 11 = 110 VAC 22 = 220 VAC

註一：LED有紅、黃、白、淺綠、超綠、超藍、閃紅等規格

色蓋顏色(W/R/Y/G/B/O/V)與LED燈燈色的標準配置如下：

W→黃燈，白燈 R→紅燈、閃紅燈 Y→黃燈 G→黃綠燈 B→超藍燈 O→黃燈 V→超綠燈

註二：氬氬燈有紅、綠等規格

色蓋顏色標準配置燈色如下：

W、R、Y、O→紅燈 G、B、V→綠燈

► 01K 鑰匙開關

例 01K - RA40 . Q1P * L2

L1 = L 型單抽

L2 = L 型雙抽

V1 = V 型單抽

V2 = V 型雙抽

► 01S 選擇開關

例 01S - RA40 . Q1P * L

L = L 型

V = V 型

► 01B 蜂鳴器

例 01B - RI40 . Q * 24 FR

I II

I : 使用電壓

06 = 6 VDC

12 = 12 VDC

24 = 24 VDC

II : 帶燈類別

R = 紅色 LED

Y = 黃色 LED

FR = 閃紅 LED

省略 = 不帶燈

外觀尺寸與面板安裝

外觀尺寸

指示燈與按鈕開關 ▶ 蜂鳴器 ▶ 選擇開關 ▶ 鑰匙開關

1. 長方框

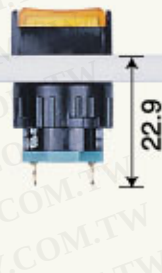
2. 圓形框

3. 正方框

面板前尺寸



面板後尺寸



面板厚度最大尺寸 9.9mm

▶ 焊端2P

▶ 焊端1P

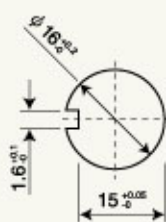
▶ 焊端指示燈

▶ 插端1P與插端指示燈

單位：mm

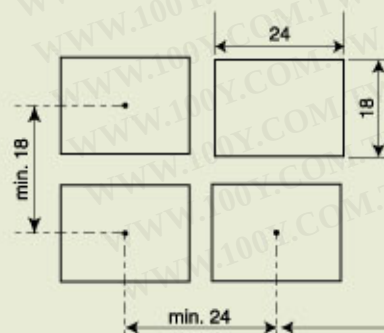
面板安裝

安裝孔徑

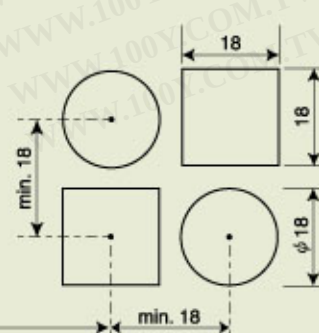


安裝孔間距

1. 長方框對長方框



2. 正方框對正方框；圓形框對圓形框



3. 長方框對正方框或圓形框

單位：mm

蜂鳴器與指示燈

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重量	焊端約 5gw 插端約 8gw
安規	UL CE S D N FI CCC

□ 電路圖示

► 蜂鳴器



輸入電壓：DC6V、DC12V、DC24V

► 指示燈



燈源	輸入電壓
鎢絲燈	DC06、DC12、DC24V
氬氣燈	AC110、AC220V
LED燈	AC/DC：6、12、24V

□ 庫存品項

► 01B 16m/m 蜂鳴器

外觀	產品規格						產品品號	訂號說明
	保護等級	輸入電壓	間歇	連續	附LED	插端	焊端	
長方框	IP40	DC24V	✓		FR	✓		01B-R I 40.Q * 24 FR
				✓	R	✓		01B-RC40.Q * 24 R
				✓	Y	✓		01B-RC40.Q * 24 Y
			✓		X	✓		01B-R I 40.Q * 24
				✓	X	✓		01B-RC40.Q * 24
			✓		X		✓	01B-R I 40.S * 24
				✓	X		✓	01B-RC40.S * 24

註一：另有操作電壓DC6V，DC12V的規格，選購時請將「24」代碼分別改為(06)(12)。

註二：選購正方框，請將「R」代碼改為(S)，選購圓形框，則改為(C)。

註三：消耗電流：max. 7mA；音量：min. 70dB (距離30cm處測量)。

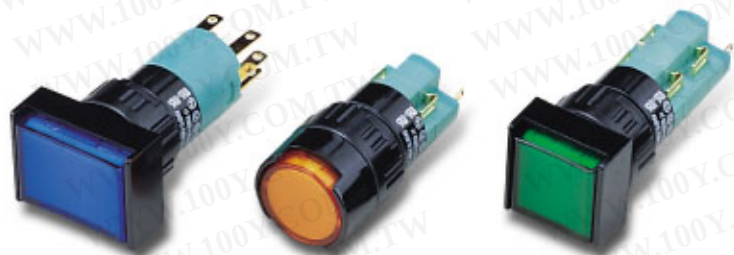
► 01P 16m/m 指示燈

外觀	產品規格					產品品號	訂號說明
	保護等級	輸入電壓	接點	插端	焊端		
圓形框	IP40	用燈決定	—	✓		01P-CI40.Q	例： 01P-CI40.Q + [R] + [L24] [R]：色蓋顏色 [L24]：燈源與電壓 ※請參考第2頁
			—		✓	01P-CI40.S	
正方框	IP40	用燈決定	—	✓		01P-SI40.Q	
			—		✓	01P-SI40.S	
長方框	IP40	用燈決定	—	✓		01P-RI40.Q	
			—		✓	01P-RI40.S	

註一：保護等級另有IP65防水型，選購時請將「40」代碼改為(65)。

註二：訂購時，請指明色蓋顏色，燈源與使用電壓，如訂號說明所示。

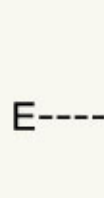
帶燈按鈕開關



接點模式	1 Pole = 1A1B ; 2 Poles = 2A2B
致動行程	3mm
致動力道	1Pole 約120 gw ; 2 Poles 約250 gw
機械壽命	復歸 2×10^6 次 ; 交替 1×10^6 次
重 量	焊端1P 約 7 gw 焊端2P、插端1P 約 8gw
安 規	

□ 電路圖示

► 1P 復歸



► 1P 交替



► 2P 復歸



► 2P 交替



□ 庫存品項

► 01P 16m/m 帶燈按鈕開關

外觀	產品規格				產品品號	訂號說明
	保護等級	致動模式	插端1P	焊端1P		
圓形框	IP40	復歸	▼	▼	01P-CM40.Q1P	完整組合併訂號： 01P-CM40.Q1P + R + L24 R : 色蓋顏色 L24 : 燈源與電壓 ※ 請參考第2頁
			▼	▼	01P-CM40.S1P	
		交替	▼	▼	01P-CA40.Q1P	
			▼	▼	01P-CA40.S1P	
正方框	IP40	復歸	▼	▼	01P-SM40.Q1P	
			▼	▼	01P-SM40.S1P	
		交替	▼	▼	01P-SA40.Q1P	
			▼	▼	01P-SA40.S1P	
長方框	IP40	復歸	▼	▼	01P-RM40.Q1P	
			▼	▼	01P-RM40.S1P	
		交替	▼	▼	01P-RA40.Q1P	
			▼	▼	01P-RA40.S1P	

註一：保護等級另有IP65防水型，選購時請將「40」代碼改為(65)。

註二：焊端另有2P的規格，選購時請將「S1P」代碼改為(S2P)。

□ 色蓋選配



► 標準型 IP40

外框 顏色 品號	白色	紅色	黃色	淺綠	藍色	橙色	深綠	黑色
圓形	01P-0C0	01P-0C1	01P-0C2	01P-0C3	01P-0C4	01P-0C5	01P-0C6	01P-0C7
正方	01P-0S0	01P-0S1	01P-0S2	01P-0S3	01P-0S4	01P-0S5	01P-0S6	01P-0S7
長方	01P-0R0	01P-0R1	01P-0R2	01P-0R3	01P-0R4	01P-0R5	01P-0R6	01P-0R7

► 防水型 IP65

外框 顏色 品號	白色	紅色	黃色	淺綠	藍色	橙色	深綠	黑色
圓形	01P-1C0	01P-1C1	01P-1C2	01P-1C3	01P-1C4	01P-1C5	01P-1C6	01P-1C7
正方	01P-1S0	01P-1S1	01P-1S2	01P-1S3	01P-1S4	01P-1S5	01P-1S6	01P-1S7
長方	01P-1R0	01P-1R1	01P-1R2	01P-1R3	01P-1R4	01P-1R5	01P-1R6	01P-1R7

□ 用燈選配



► AC 氬氖燈

燈 色	輸入電壓 品號	AC110 ~ 125V	AC220 ~ 250V
紅色		L.T134-A11.R	L.T134-A22.R
綠色		L.T134-A11.G	L.T134-A22.G

► DC 鎢絲燈 ; DC/AC LED 燈

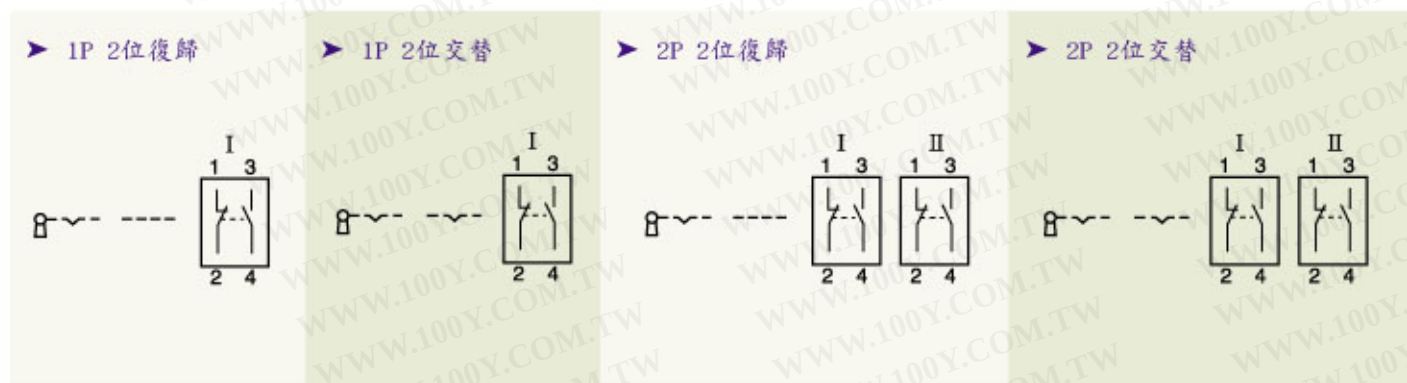
燈 源	輸入電壓 品號	6V	12 ~ 14V	24 ~ 28V
鎢絲燈		L.T134-D06	L.T134-D14	L.T134-D28
LED 紅		L.T134-L06.R	L.T134-L12.R	L.T134-L24.R
LED 黃		L.T134-L06.Y	L.T134-L12.Y	L.T134-L24.Y
LED 白		L.T134-L06.W	L.T134-L12.W	L.T134-L24.W
LED 淺綠		L.T134-L06.G	L.T134-L12.G	L.T134-L24.G
LED 超綠		L.T134-L06.V	L.T134-L12.V	L.T134-L24.V
LED 超藍		L.T134-L06.B	L.T134-L12.B	L.T134-L24.B
LED 閃紅		L.T134-L06.FR	L.T134-L12.FR	L.T134-L24.FR

鑰匙開關



接點模式	1 Pole = 1A1B ; 2 Poles = 2A2B
致動行程	兩段L型 90° ; 兩段V型 90°
致動力道	1 Pole 約 2.5 Ncm ; 2 Poles 約 5.5 Ncm
機械壽命	50,000次
重 量	焊端1P約 26gw ; 焊端2P約 27gw 插端1P約 27gw (以上重量含鑰匙)
安 規	

□ 電路圖示



□ 庫存品項

► 01K 16m/m 鑰匙開關

外觀	產品規格					產品品號	訂號說明
	致動模式	單抽	雙抽	插端1P	焊端1P		
長方框	L型復歸	✓		✓		01K-RM40.Q1P * L1	L1: L型單抽 L2: L型雙抽
		✓			✓	01K-RM40.S1P * L1	
	L型交替	✓		✓		01K-RA40.Q1P * L1	
			✓	✓		01K-RA40.Q1P * L2	
		✓			✓	01K-RA40.S1P * L1	
			✓		✓	01K-RA40.S1P * L2	
長方框	V型復歸	✓		✓		01K-RM40.Q1P * V1	V1: V型單抽 V2: V型雙抽
		✓			✓	01K-RM40.S1P * V1	
	V型交替	✓		✓		01K-RA40.Q1P * V1	
			✓	✓		01K-RA40.Q1P * V2	
		✓			✓	01K-RA40.S1P * V1	
			✓		✓	01K-RA40.S1P * V2	

註一：焊端另有2P的規格，選購時請將「S1P」代碼改為(S2P)。

註二：選購IP65等級，請將「40」代碼改為(65)。

註三：選購正方框，請將「R」代碼改為(S)，選購圓形框，則改為(C)。

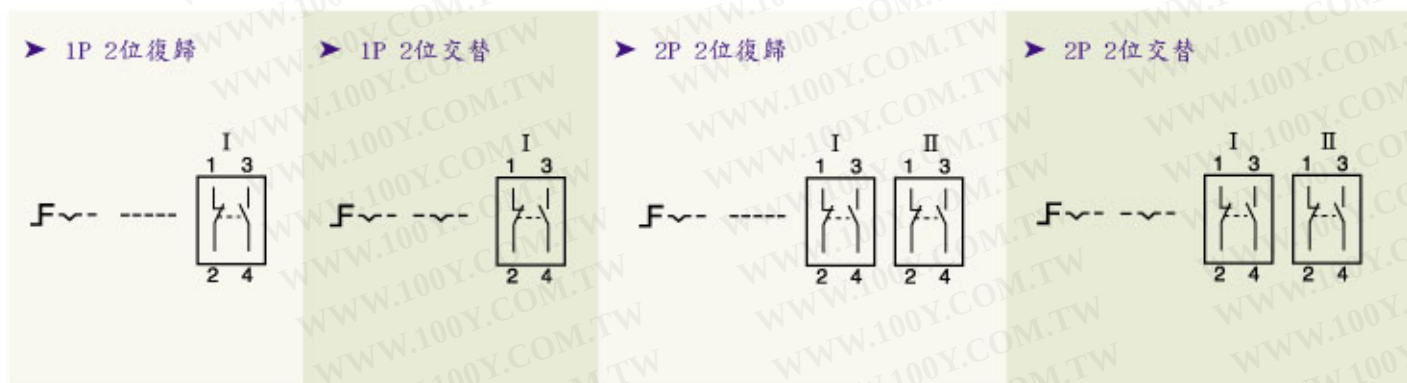
選擇開關

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接點模式	1 Pole = 1A1B ; 2 Poles = 2A2B
致動行程	兩段L型 90° ; 兩段V型 90
致動力道	1 Pole 約 2.5 Ncm ; 2 Poles 約 5.5 Ncm
機械壽命	50,000次
重量	焊端1P約 9gw ; 焊端2P約 10gw 插端1P約 10gw
安規	

□ 電路圖示



□ 庫存品項

► 01S 16m/m 選擇開關

外觀	產品規格				產品品號	訂號說明
	致動模式	插端1P	焊端1P	焊端2P		
長方框	L型復歸	✓			01S-RM40.Q1P * L	帶燈品號： 01S-RM40.Q1P * V24R [24]: 操作電壓 24 = 24 VDC 12 = 12 VDC 06 = 6 VDC [R]: LED 顏色 R = 紅色 Y = 黃色 W = 白色 V = 超綠 B = 超藍
			✓		01S-RM40.S1P * L	
				✓	01S-RM40.S2P * L	
	L型交替	✓			01S-RA40.Q1P * L	
			✓		01S-RA40.S1P * L	
				✓	01S-RA40.S2P * L	
長方框	V型復歸	✓			01S-RM40.Q1P * V	
			✓		01S-RM40.S1P * V	
				✓	01S-RM40.S2P * V	
	V型交替	✓			01S-RA40.Q1P * V	
			✓		01S-RA40.S1P * V	
				✓	01S-RA40.S2P * V	

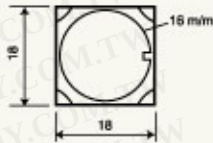
註一：選購IP65等級，請將「40」代碼改為(65)，帶燈型不提供IP65等級。

註二：選購正長框，請將「R」代碼改為(S)，選購圓形框，則改為(C)。

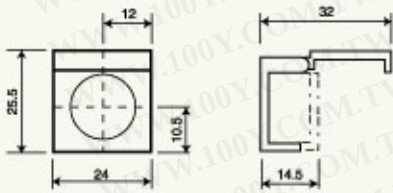
選購附件

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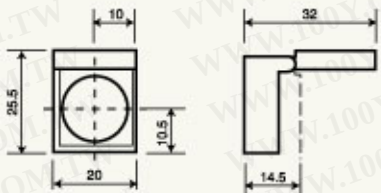
反轉墊片

圖 示	規 格 描 述	品 號
	 單位：mm	01Z-100

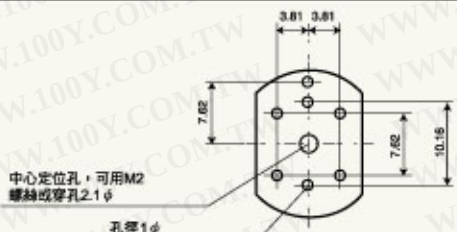
長方保護蓋

圖 示	規 格 描 述	品 號
	 單位：mm	01Z-200.R

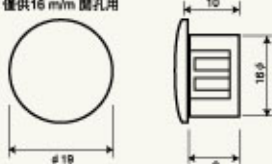
正方保護蓋

圖 示	規 格 描 述	品 號
	 單位：mm	01Z-200.S

PCB 插座

圖 示	規 格 描 述	品 號
	 中心定位孔，可用M2 螺絲或穿孔2.1φ 孔徑1φ 單位：mm	01Z-300

孔塞

圖 示	規 格 描 述	品 號
	 僅供16 mm 圓孔用 單位：mm	01Z-400

☐ 平板端子

圖 示	規 格 描 述	品 號
	僅供插端開關使用	01Z-500

☐ 插端用絕緣套筒

圖 示	規 格 描 述	品 號
	僅供插端開關使用	01Z-600

☐ 螺帽鎖緊器

圖 示	規 格 描 述	品 號
		01Z-T01

☐ 色蓋夾

圖 示	規 格 描 述	品 號
		01Z-T02

☐ 燈泡取置器

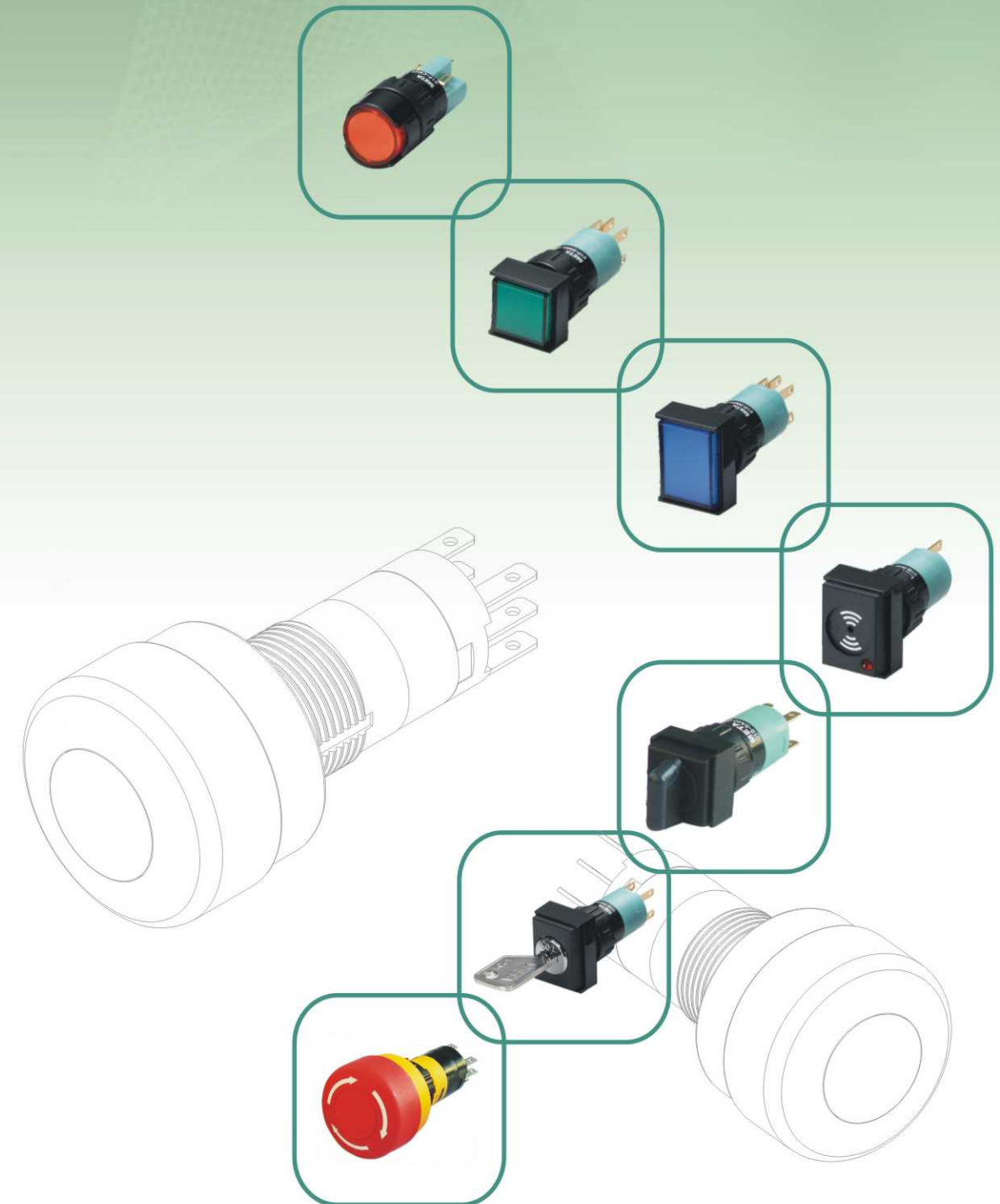
圖 示	規 格 描 述	品 號
	僅供白熾燈使用，如果是氬氖燈，請使用平口鉗拔取	01Z-T03

☐ 金屬螺帽

圖 示	規 格 描 述	品 號
		01Z-NU.M

01 Series

www.meta.com.tw



Features

- Mounting hole diameter 16mm.
- Apparent shapes with rectangular 18X24mm, square 18X18mm and round diameter 18mm.
- The rubber-sealed type provided to prevent the liquid penetration in front of panel.
- High bezel that prevents accidental touching.
- Illuminated by midget grooved T1 3/4 lamps including incandescent, discharged and LED lamps.
- Snap-action which accelerates on-off switching.
- Normally closed and normally open contacts in each switch block.
- High performance plastics resistant to high-temperature and oil-polluted environments.
- UL 94V0 class plastics to make self-extinguished.

Technical Specifications

- Contact materials: gold flushed silver
- Breaking capacity: 250VAC/5A(p.f. ≥ 0.9)
- Contact resistance: $< 50m\Omega$
- Electrical lifetime:

5A/250VAC	50,000 operations
4A/250VAC	60,000 operations
2A/250VAC	200,000 operations
1A/250VAC	400,000 operations
- Maximal insulation: 2500VAC, 50HZ, 1min between all terminals and plastic case
- Insulation resistance: $\geq 10^4 M\Omega$ at 500VDC
- Soldering heat resistance: 300°C/5s
- Operating temperature: -25°C to +55°C
- Storage temperature: -40°C to +85°C
- Case materials: high-performance plastics resistant to high temperature and Oil-polluted environments, self-extinguished.

Application

Applied on panels of machine tools to control the on and off of them or offer the commands for the other operation.

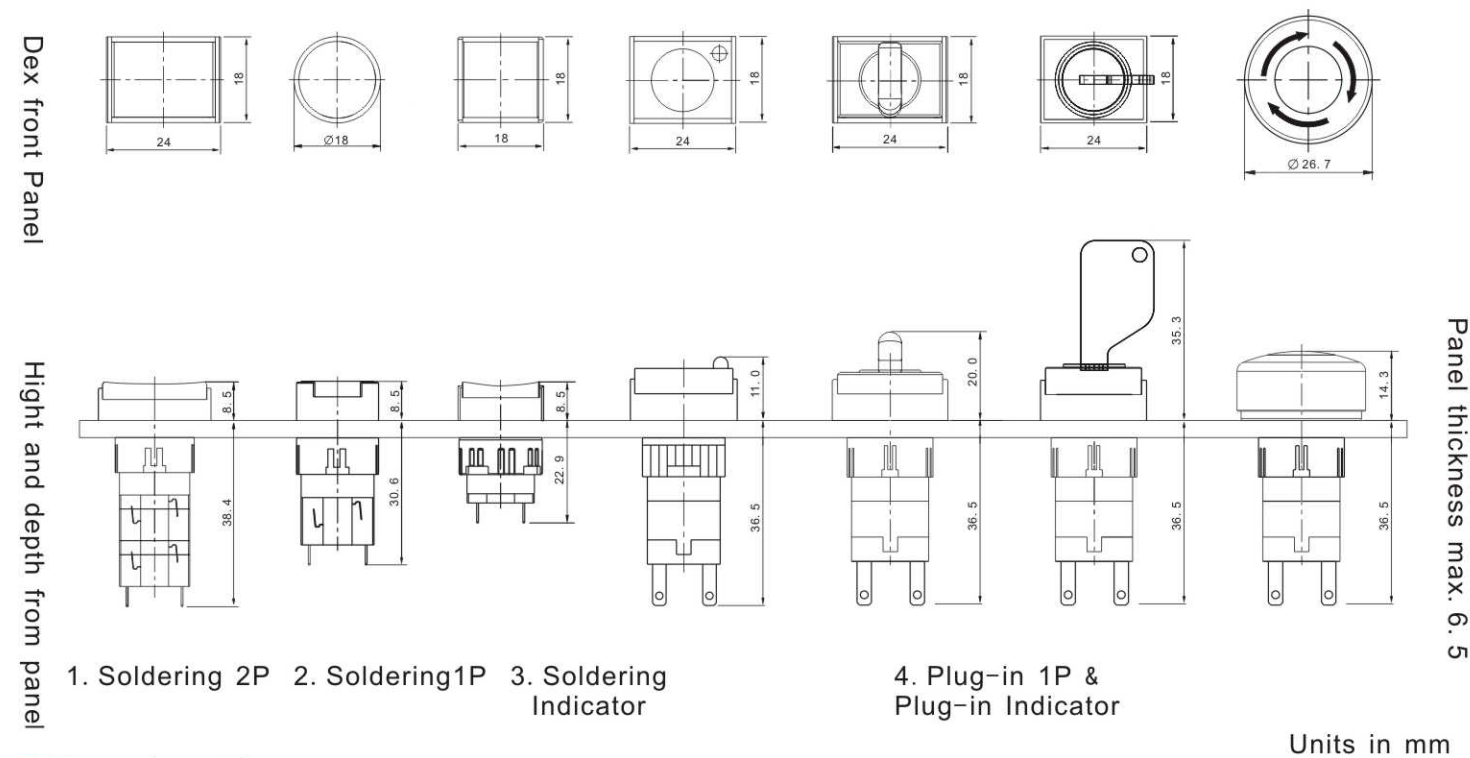


Apparent shapes & Panel mounting

■ Apparent shapes

Indicators & Pushbutton Switches Buzzers Selector Switches Keylock Switches Emergency Stop Switches

1. Rectangular 2. Round 3. Square

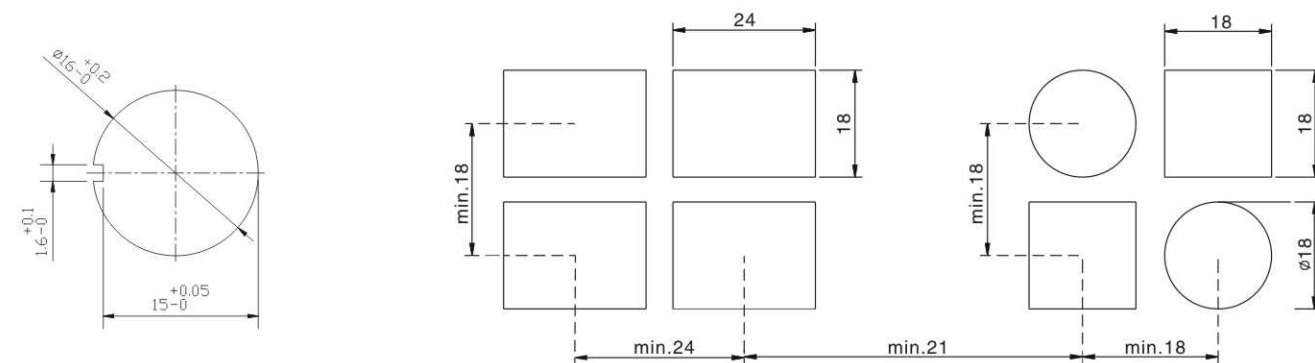


■ Panel cutting

Mounting hole

Separation distances of mounting holes

1. Rectangular to Rectangular 2. Square to Square & Round to Round



3. Rectangular to Square or Round

Units in mm

Indications



Weight	Soldering=5gw Plug-in=8gw
Approval	UL CE S D N FI CQC

Main part number

01 P — R I 40 . Q + R + L 24
 I II III IV V VI VII VIII IX

I: Series code	01 Series with 16mm diameter mounting hole
II: Main category	P=Indicators
III: Front shape	C=Round S=Square R=Rectangular
IV: Function code	P=Indicators
V: Protection rating	40=Standard 65=Rubber-sealed
VI: Terminal type	S=Soldering Q=Plug-in
VII: Cap color	W=White R=Red Y=Yellow G=Light Green B=Blue O=Orange V=Deep Green K=Black
VIII: Light source	L=LED Lamp D=Incandescent Lamp A=Discharged Lamp Omission=Without lamp
IX: Operating voltage	06=6VDC 12=12VDC 24=24VDC 11=110VAC 22=220VAC

Note 1: Available colors of LED are red, yellow, green, blue.

The standard matches between cap and LED are as followed:

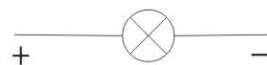
W → Yellow LED R → Red LED Y → Yellow LED G → Green LED B → Blue LED
 O → Yellow LED V → Green LED

Note 2: Available colors of discharged lamps are red and green.

The standard matches between cap and lamp are as followed:

W, R, Y, O → Red lamp G, B, V → Green lamp

■ Circuit diagram



Lamp type	Input Voltage
Incandescent lamp	DC06、DC12、DC24V
Discharged lamp	AC110、AC220V
LED lamp	AC/DC: 6、12、24V

■ Stock item

01P16mm Indicators

Front shape	Specification					Part No.	Description
	Protection rating	Input Voltage	Contact	Plug-in	Soldering		
Round	IP40	Lamp dependence	—	⊙	—	01P-CI40. Q	Ex: 01P-CI40. Q + R + L24 R : Cap color L24 : lamp & voltage ※ Please refer to page 2
			—	—	⊙	01P-CI40. S	
Square	IP40	Lamp dependence	—	⊙	—	01P-SI40. Q	
			—	—	⊙	01P-SI40. S	
Rectangular	IP40	Lamp dependence	—	⊙	—	01P-RI40. Q	
			—	—	⊙	01P-RI40. S	

Note 1: Protection rating IP65 also available, please replace codes 「40」 by (65) in part no.

Note 2: Please denoting the color of cap, the type of lamp and operating voltage while ordering.

Illuminated Pushbutton Switches



Contact mode	1Pole=1A1B; 2Poles=2A2B
Actuating travel	3mm
Actuating force	1Pole=120gw; 2Poles=250gw
Mechanical lifetime	Momentary 2x10 ⁶ operations Alternative 1x10 ⁶ operations
Weight	Soldering 1P=7gw Soldering 2P; Plug-in 1P=8gw
Approval	UL CE S D N FI CQC

Main part number

01 P — R A 40 . Q 1P + R + L 24
 I II III IV V VI VII VIII IX X

I: Series code	01 Series with 16mm diameter mounting hole
II: Main category	P=Pushbutton Switches
III: Front shape	C=Round S=Square R=Rectangular
IV: Function code	M=Momentary A=Alternative
V: Protection rating	40=Standard 65=Rubber-sealed
VI: Terminal type	S=Soldering Q=Plug-in
VII: Contact mode	1P=1A1B 2P=2A2B
VIII: Cap color	W=White R=Red Y=Yellow G=Light Green B=Blue O=Orange V=Deep Green K=Black
IX: Light source	L=LED Lamp D=Incandescent Lamp A=Discharged Lamp Omission=Without lamp
X: Operating voltage	06=6VDC 12=12VDC 24=24VDC 11=110VAC 22=220VAC

Note 1: Available colors of LED are red, yellow, green, blue.

The standard matches between cap and LED are as followed:

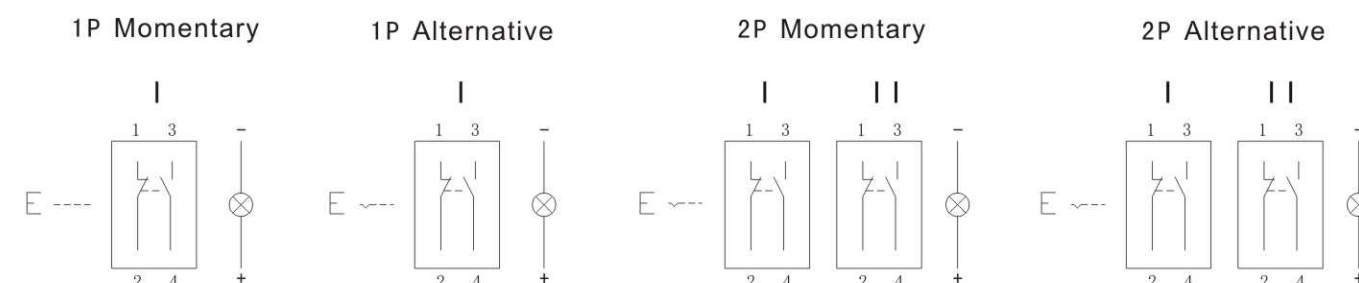
W → Yellow LED R → Red LED Y → Yellow LED G → Green LED B → Blue LED
 O → Yellow LED V → Green LED

Note 2: Available colors of discharged lamps are red and green.

The standard matches between cap and lamp are as followed:

W, R, Y, O → Red lamp G, B, V → Green lamp

■ Circuit diagram



■ Stock item

01P16mm Illuminated Pushbutton Switches

Front shape	Specification				Part No.	Description
	Protection rating	Actuating mode	Plug-in 1P	Soldering 1P		
Round	IP40	Momentary	⊙		01P-CM40. Q1P	Order no. of assembly: 01P-CI40. Q1P + R + L24 R : Cap color L24 : Lamp & Voltage ※ Please refer to page 2
				⊙	01P-CM40. S1P	
		Alternative	⊙		01P-CA40. Q1P	
				⊙	01P-CA40. S1P	
Square	IP40	Momentary	⊙		01P-SM40. Q1P	
				⊙	01P-SM40. S1P	
		Alternative	⊙		01P-SA40. Q1P	
				⊙	01P-SA40. S1P	
Rectangular	IP40	Momentary	⊙		01P-RM40. Q1P	
				⊙	01P-RM40. S1P	
		Alternative	⊙		01P-RA40. Q1P	
				⊙	01P-RA40. S1P	

Note 1: Protection rating IP65 also available, please replace codes 「40」 by (65) in part no.

Note 2: Soldering terminal 2P also available, please replace codes 「S1P」 by (S2P) in part no.

■ Lenses and Lamps



Standard IP40

Color Part No. Front shape	White	Red	Yellow	Light Green	Blue	Orange	Deep Green	Black
Round	01P-0C0	01P-0C1	01P-0C2	01P-0C3	01P-0C4	01P-0C5	01P-0C6	01P-0C7
Square	01P-0S0	01P-0S1	01P-0S2	01P-0S3	01P-0S4	01P-0S5	01P-0S6	01P-0S7
Rectangular	01P-0R0	01P-0R1	01P-0R2	01P-0R3	01P-0R4	01P-0R5	01P-0R6	01P-0R7

Note: The covers above include lenses rated IP40

Rubber-sealed IP65

Color Part No. Front shape	White	Red	Light Yellow	Green	Blue	Orange	Deep Green	Black
Round	01P-1C0	01P-1C1	01P-1C2	01P-1C3	01P-1C4	01P-1C5	01P-1C6	01P-1C7
Square	01P-1S0	01P-1S1	01P-1S2	01P-1S3	01P-1S4	01P-1S5	01P-1S6	01P-1S7
Rectangular	01P-1R0	01P-1R1	01P-1R2	01P-1R3	01P-1R4	01P-1R5	01P-1R6	01P-1R7

Note: The covers above include lenses rated IP65

■ Lamps



AC Discharged Lamp

Input voltage Part No. Light color	AC110~125V	AC220~250V
Red	01P-A11. R	01P-A22. R
Green	01P-A11. G	01P-A22. G

DC Incandescent Lamp: DC/AC LED Lamp

Input voltage Part No. Light Source	6V	12~14V	24~28V
Incandescent Lamp	01P-D06	01P-D14	01P-D28
Red LED	01P-L06. R	01P-L12. R	01P-L24. R
Yellow LED	01P-L06. Y	01P-L12. Y	01P-L24. Y
White LED	01P-L06. W	01P-L12. W	01P-L24. W
Green LED	01P-L06. G	01P-L12. G	01P-L24. G
Blue LED	01P-L06. B	01P-L12. B	01P-L24. B

Keylock Switches



Contact mode	1Pole=1A1B; 2Poles=2A2B
Actuating travel	2 positions L90°; V90°
Actuating force	1Pole=2.5Ncm; 2Poles=5.5Ncm
Mechanical lifetime	50,000 operations
Weight (key included)	Soldering 1P=26gw Soldering 2P=27gw Plug-in 1P=27gw

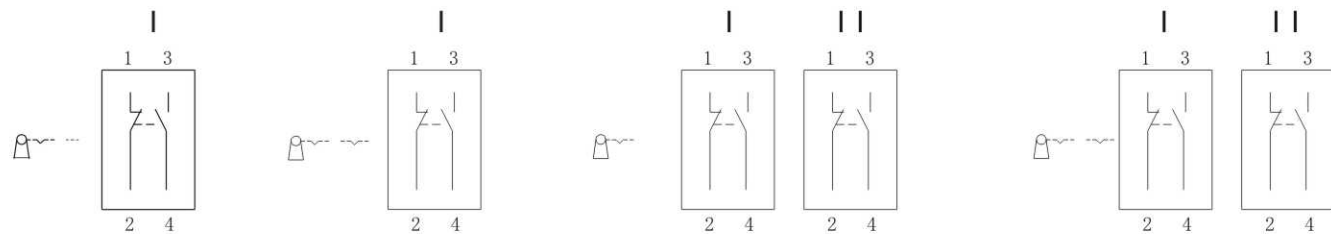
Main part number

01 K — R A 40 . Q 1P * L2
 I II III IV V VI VII VIII

I: Series code	01 Series with 16mm diameter mounting hole		
II: Main category	K=Keylock Switches		
III: Front shape	C=Round	S=Square	R=Rectangular
IV: Function code	M=2 way Momentary	A=2 way Alternative	
V: Protection rating	40=Standard	65=Rubber-sealed	
VI: Teminal type	S=Soldering	Q=Plug-in	
VII: Contact mode	1P=1A1B	2P=2A2B	
VIII: Inlet type	L1=L type 90° one inlet V1=V type 90° one inlet	L2=L type 90° two inlets V2=V type 90° two inlets	

Circuit diagram

1P 2Pos. Momentary 1P 2Pos. Alternative 2P 2Pos. Momentary 2P 2Pos. Alternative



Stock item

01K16mm Keys Switches

Front shape	Specification					Part No.	Description
	Actuating mode	One inlet	Two inlets	Plug -in 1P	Soldering 1P		
Rectangular	L type momentary	⊙		⊙		01K-RM40. Q1P*L1	L1: L type one inlet
		⊙			⊙	01K-RM40. S1P*L1	
	L type Alternative	⊙		⊙		01K-RA40. Q1P*L1	L2: L type two inlets
		⊙	⊙	⊙		01K-RA40. Q1P*L2	
		⊙			⊙	01K-RA40. S1P*L1	
Rectangular	V type Momentary	⊙		⊙		01K-RM40. Q1P*V1	V1: V type one inlet
		⊙			⊙	01K-RM40. S1P*V1	
	V type Alternative	⊙		⊙		01K-RA40. Q1P*V1	V2: V type two inlets
			⊙	⊙		01K-RA40. Q1P*V2	
		⊙			⊙	01K-RA40. S1P*V1	
			⊙		⊙	01K-RA40. S1P*V2	

Note 1: Protection rating IP65 also available, please replace codes 「40」 by (65) in part no.

Note 2: Soldering terminal 2P also available, please replace codes 「S1P」 by (S2P) in part no.

Note 3: Apparent shapes square and round also available, please replace code 「R」 by (S) for square, (C) for round in part no.

Selector Switches and Emergency Stop Switches

Selector Switches



Contact mode	1Pole=1A1B; 2Poles=2A2B
Actuating travel	2 positions L90°; V90°
Actuating force	1Pole=2.5Ncm; 2Poles=5.5Ncm
Mechanical lifetime	50,000 operations
Weight	Soldering 1P=9gw Soldering 2P=10gw Plug-in 1P=10gw

Main part number

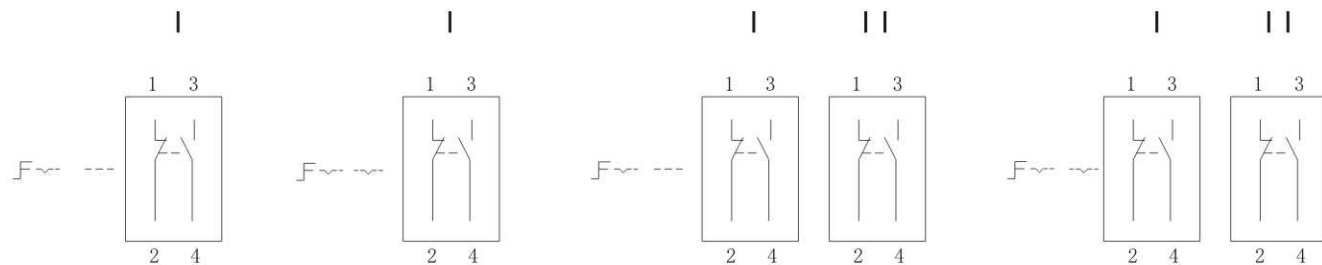
01 S — R A 40 . Q 1P * L

I II III IV V VI VII VIII

I: Series code	01 Series with 16mm diameter mounting hole		
II: Main category	S=Selector Switches		
III: Front shape	C=Round	S=Square	R=Rectangular
IV: Function code	M=2 way Momentary	A=2 way Alternative	
V: Protection rating	40=Standard	65=Rubber-sealed	
VI: Terminal type	S=Soldering	Q=Plug-in	
VII: Contact mode	1P=1A1B	2P=2A2B	
VIII: Knob type	L=L type 90°	V=V type 90°	

Circuit diagram

1P 2Pos. Momentary 1P 2Pos. Alternative 2P 2Pos. Momentary 2P 2Pos. Alternative



Stock item

01S16mm Selector Switches

Front shape	Actuating mode	Specification			Part No.	Description
		Plug-in 1P	Soldering 1P	Soldering 2P		
Rectangular	L type momentary	⊙			01S-RM40. Q1P*L	Order No: 01S-RM40. Q1P*L*24R : Illuminated selector with LED
			⊙		01S-RM40. S1P*L	
	L type Alternative			⊙	01S-RM40. S2P*L	
		⊙			01S-RA40. Q1P*L	
Rectangular	V type Momentary		⊙		01S-RA40. S1P*L	
				⊙	01S-RA40. S2P*L	
	V type Alternative	⊙			01S-RM40. Q1P*V	
			⊙		01S-RM40. S1P*V	
				⊙	01S-RM40. S2P*V	
		⊙	⊙		01S-RA40. Q1P*V	
			⊙		01S-RA40. S1P*V	
				⊙	01S-RA40. S2P*V	

Note 1: Protection rating IP65 also available, please replace codes [40] by (65) in part no.

Note 2: Apparent shapes square and round also available, please replace code [R] by (S) for square, (C) for round in part no.

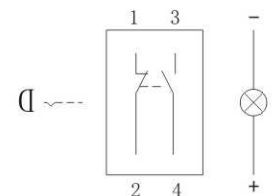
Emergency Stop Switches



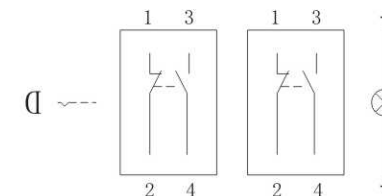
Contact mode	1Pole=1A1B; 2Poles=2A2B
Actuating travel	3mm, Rotate
Actuating force	1Pole=182gw; 2Poles=312gw
Mechanical lifetime	50,000 operations
Weight	Soldering 1P=11gw Soldering 2P=12gw Plug-in 1P=12gw
Approval	UL CE S D N F CQC

Circuit diagram

1P 2Pos. Momentary



1P 2Pos. Alternative



Main part number

01 S — C E 40 . Q 1P * R + L 12

I II III IV V VI VII VIII IX X

I: Series code	01 Series with 16mm diameter mounting hole				
II: Main category	S=Emergency Stop Switches				
III: Front shape	C=Round				
IV: Function code	E=Rotate to reset				
V: Protection rating	40=Standard		65=Rubber-sealed		
VI: Teminal type	S=Soldering		Q=Plug-in		
VII: Contact mode	1P=1A1B		2P=2A2B		
VIII: Light color	R=Red				
IX: Light source	L=LED Lamp		A=Discharged Lamp	Omission=Without lamp	
X: Operating voltage	06=6VDC	12=12VDC	24=24VDC	11=110VAC	22=220VAC

■ Stock item

01E16mm Emergency Stop Switches

Front shape	Specification					Part No.	Description
	Actuating mode	Protection rating	Plug -in 1P	Soldering 1P	Soldering 2P		
Round	Rotate to reset	IP40	⊙			01S-CE40.Q1P	Order No. : 01S-CE40. Q1P* R + L 12 L : Light source 12 : Operating voltage
				⊙		01S-CE40.S1P	
					⊙	01S-CE40.S2P	
		IP65	⊙			01S-CE65.Q1P	
				⊙		01S-CE65.S1P	
					⊙	01S-CE65.S2P	

Note 1: Protection rating IP65 also available, please replace codes 「40」 by (65) in part no.

Note 2: Soldering terminal 2P also available, please replace codes 「S1P」 by (S2P) in part no.

B buzzers



Weight	Soldering=5gw Plug-in=8gw
Approval	

Main part number

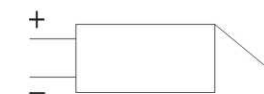
01 B — R I 40 . Q * 24 FR

I II III IV V VI VII VIII

I:Series code	01 Series with 16mm diameter mounting hole				
II:Main category	B=Buzzers				
III:Front shape	C=Round	S=Square		R=Rectangular	
IV:Function code	C=Continous		I=Intermittent		
V:Protection rating	40=Standard		65=Rubber-sealed		
VI:Teminal type	S=Soldering		Q=Plug-in		
VII:Operating voltage	06=6VDC	12=12VDC	24=24VDC	11=110VAC	22=220VAC
VIII:Light source	R=Red LED	FR=Flash LED	Omission=Without lamp		

Note: Only rectangular shape can be assembled lamps

■ Circuit diagram



Operating voltage: DC6V、DC12V、DC24V

■ Stock item

01B16m/m Buzzers

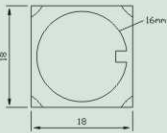
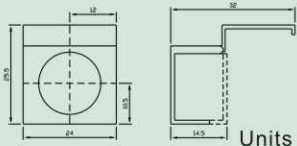
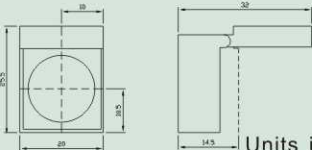
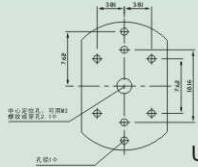
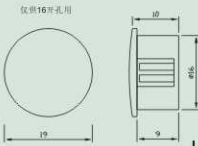
Front shape	Protection rating	Input Voltage	Specification					Part No.	Description
			Intermittent	Continuous	With LED	Plug-in	Soldering		
Rectangular	IP40	DC24V	⊙		FR	⊙		01B-RI40. Q*24FR	Intermittent tone: I
				⊙	R	⊙		01B-RC40. Q*24R	With flash red LED= FR
				⊙	Y	⊙		01B-RC40. Q*24Y	Continous tone: C
			⊙		—	⊙		01B-RI40. Q*24	With red LED= R
				⊙	—	⊙		01B-RC40. Q*24	With yellow LED= Y
			⊙		—		⊙	01B-RI40. S*24	
				⊙	—		⊙	01B-RC40. S*24	
					—				

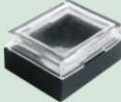
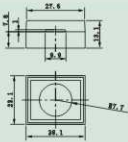
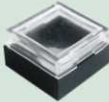
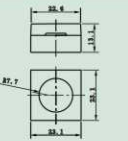
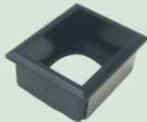
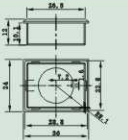
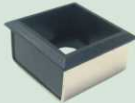
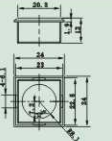
Note 1: Operating Voltage DC6V and DC12V also available , please replace codes 「24」 by (06) (12) in part no. respectively.

Note 2: Apparent shapes square and round also available , please replace code 「R」 by (S) for square, (C) for round In part no.

Note 3: Consumption current max. 7mA; 70dB at a distance 30cm.

Accessories

Order No.	Aniti-twisting Ring	Specification
01Z-100		 Units in mm
Order No.	Rectangular Protective Cover	Specification
01Z-200. R		 Units in mm
Order No.	Square Proetcive Cover	Specification
01Z-200. S		 Units in mm
Order No.	PCB Plug-in Base	Specification
01Z-300		 Units in mm
Order No.	Blind Cover	Specification
01Z-400		 Units in mm
Order No.	Connector	Specification
01Z-500		Only for plug-in switches
Order No.	Insulation Cover	Specification
01Z-600		Only for plug-in switches

Order No.	Mounting Tool	Specification
01Z-T01		
Order No.	Lenses Remover	Specification
01Z-T02		Only for 01P
Order No.	Lamp Remover	Specification
01Z-T03		This item is only used in taking incandescent lamps away from the switches. To take discharged lamps,please use flat-nose pliers.
Order No.	Matallic Screw Nut	Specification
01Z-NU. M		
Order No.	Rectangular Dust Wrapper	Specification
01Z-700. R		 Units in mm
Order No.	Square Dust Wrapper	Specification
01Z-700. S		 Units in mm
Order No.	Rectangular Flush-mounting Cover	Specification
01Z-800. R		 Units in mm
Order No.	Square Flush-mounting Cover	Specification
01Z-800. S		 Units in mm