

Pushbutton

Automation Components
K16按鈕開關及指示燈系列



K16 按鈕開關及指示燈 Pushbutton & Indicator



■ 特性 / Features

- 安裝直徑/Installation diameter: 16mm
- 防護等級/Degree of Protection: IP65
- 觸點銀鍍金/Silver Plated of contact: 3 μ
- 緊湊型設計/Compact design saves space
- 燈罩防紫外線/Shade UV
- LED 超高亮冷光源燈顯示
Super bright LED cold light source lamp display

B 博敏企業有限公司
Bomin Electronic Co., Ltd.

■ 相關認證 / Related certification

Standard	signal	
UL 508		UL Recognized File No. E307512
EN60947-1 EN60947-5-1		
GB 14048.5		

■ 規格 / Specifications

保護等級 Degree of Protection	IP 65 Watertight /Oiltight
觸點類型 Contact Configuration	Single Pole, Double Pole
最大電壓 Maximum Voltage	250V AC/DC
熱電流 Thermal Current	5A
最小負載 Minimum Applicable Load	5V AC/DC, 1mA
觸點材質 Contact Material	Gold-plated silver
端子樣式 Terminal Style	.110" Solder/Quick Connect
工作溫度 Operating Temperature	-25°C to +55°C
工作濕度 Operating Humidity	45 to 85% RH
接觸電阻 Contact Resistance	50MΩ maximum
絕緣電阻 Insulation Resistance	100MΩ minimum (500V DC megger)
抗震性 Vibration Resistance	10 to 55Hz, amplitude 1.2mm p-p
保護等級 Degree of Protection	>10g
電器壽命 Electrical Life	100,000 operations minimum (at full rated load)
機械壽命 Mechanical Life	Maintained: 1,000,000 operations minimum Momentary: 1,000,000 operations minimum Selecotr /Keylock: 250, 000 operations minimum
耐壓 Dielectric Strength	Switch Unit: 2,000V AC, 1min. between live/dead part and terminals of different poles; 1,000V AC, 1 minute between terminals of the same pole; 1,500V AC, 1 minute between contact and lamp terminals. Illumination Unit: 2,000V AC, 1min. between live Part/ground
錫焊溫度 Soldering Temperature	20W/5 Seconds or 260C/3 seconds

■ 觸點參數 / Contact Ratings

工作電壓 Working voltage		24V	110V	220V
AC (50/60Hz)	阻性 Resistive	—	1.0A	0.5A
	感性 Inductive	—	0.7A	0.5A
DC	阻性 Resistive	1.0A	0.2A	—
	感性 Inductive	0.7A	0.1A	—

■ LED 燈珠參數 / LED Ratings

額定電壓 / Rated Voltage	電流 / Current
5V DC ± 5%	8mA AC: A, R, W, Y: 8mA G, S: 7mA
6V AC/DC (± 10%)	DC: A, R, W, Y: 6mA G, S: 5mA
12V AC/DC (± 10%)	AC: 9mA DC: 8mA
24V AC/DC (± 10%)	AC: 9mA DC: 8mA

按鈕開關型號命名 / Pushbutton Select Code

<http://www.bomin.com.tw>

K16	—					
安裝直徑 Mounting Size	操作類別 Operation Style	操作部形狀 Operation Characteristic	觸點形式 Contact Structure	顏色 Color	額定電壓 Voltage	
	1: 指示燈 1: Indicator 2: 自復按鈕 2: Momentary 3: 自鎖按鈕 3: Maintained 4: 選擇鈕 (二段) 4: Selector (2P) 5: 選擇鈕 (三段) 5: Selector (3P) 6: 鑰匙鈕 (二段) 6: Key Switch (2P) 7: 鑰匙鈕 (三段) 7: Key Switch (3P) 8: 急停 (普通型) 8: E-stop (Normal) 9: 蘑菇頭按鈕 9: Mushroom	1: 圓形 2: 方形 3: 長方形 7: 圓形帶燈 8: 方形帶燈 9: 長方形帶燈 1: Round 2: Square 3: Rectangle 7: Round (LED) 8: Square (LED) 9: Rectangle (LED)	0: 無觸點 0: Nil 1: 單切 (1a+1b) 1: SPDT(1a+1b) 2: 雙切 (2a+2b) 2: DPDT(2a+2b) 3: 三切 (3a+3b) 3: TPDT(3a+3b) 1H: 自鎖 (僅蘑菇頭按鈕) 1H: Maintained (Only Mushroom) 2H: 自鎖 (僅蘑菇頭按鈕) 2H: Maintained (Only Mushroom) 3H: 自鎖 (僅蘑菇頭按鈕) 3H: Maintained (Only Mushroom)	R 紅色 / Red G 綠色 / Green Y 黃色 / Yellow W 白色 / White B 藍色 / Blue A 橙色 / Orange	D: 24VDC E: 12VDC F: 6.3VDC A1: 110VAC A2: 220VAC	

選擇和鑰匙開關命名方式 / Selector and Key Switch Select Code

<http://www.bomin.com.tw>

K16	—				
安裝直徑 Mounting Size	操作類別 Operation Style	操作部形狀 Operation Characteristic	觸點形式 Contact Structure	選型代碼 Selection Code	
	4: 選擇鈕 (二段) 5: 選擇鈕 (三段) 6: 鑰匙鈕 (二段) 7: 鑰匙鈕 (三段) 4: Selector (2P) 5: Selector (3P) 6: Key Switch (2P) 7: Key Switch (3P)	1: 圓形 2: 方形 3: 長方形 1: Round 2: Square 3: Rectangluar	0: 無觸點 1: 單切 (1a+1b) 2: 雙切 (2a+2b) 3: 三切 (3a+3b) 0: Nil 1: SPDT(1a+1b) 2: DPDT(2a+2b) 3: TPDT(3a+3b)	鑰匙拔出位置 動作方式: 2: 二段自鎖 0: 二段自復 3: 三段自鎖 7: 三段右側自復 6: 三段左側自復 1: 三段兩側自復 Key out Positon Move way 2: 2 Positon Maintained 0: 2 Positon Momentary 3: 3 Positon Maintained 7: 3 Positon Right Momentary 6: 3 Positon Left Momentary 1: 3 Positon Both Momentary	

區分/Sort	復位方式/Reset Style				鑰匙拔出位置/Key out Positon						
	自鎖/Maintained	自復/Momentary									
3段/3Positon											
代號/Code	2	0			A	B		D			
3段/3Positon											
代號/Code	3	7	6	1	A	B	C	D	E	F	G

選擇/鑰匙旋轉角度90° 是基本 Selector/Key basic rotation angle 90°

蜂鳴器命名方式 / Buzzer Select Code

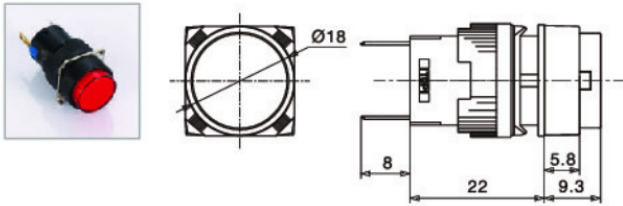
<http://www.bomin.com.tw>

K16	—			
安裝直徑 Mounting Size	操作部形狀 Operation Characteristic	帶燈形式 Lamp Style	發聲形式 Voice style	額定電壓 Voltage
	CZ: 圓形 BZ: 長方形 CZ: Round BZ: Rectangluar	Nil: 基本型 L: 帶紅色 Nil: Basic L: Red LED	Nil: 連續音 I: 間斷 Nil: Continuous I: Discontinuous	D: 24VDC E: 12VDC F: 6.3VDC A1: 110VAC A2: 220VAC

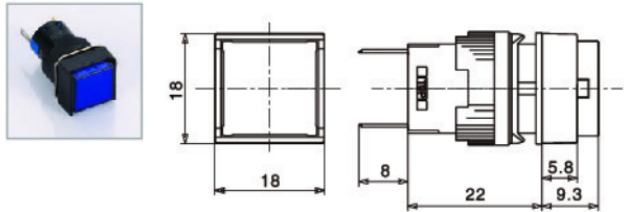
Product appearance			燈罩顏色 Top Color	額定電壓 Rated Voltage			
圓形 / Round	K16-170 □ ●	方形 / Square	K16-180 □ ●	長方形 / Rectangle	K16-190 □ ●	請用下列顏色編碼 替換型號中的"□" R 紅色/Red G 綠色/Green Y 黃色/Yellow W 白色/White B 藍色/Blue A 橙色/Orange	請用下列顏色編碼 替換型號中的"●" D:24VDC E:12VDC F:6.3VDC A1:110VAC A2:220VAC
							
							

Product appearance	操作類別 Operation	帶燈形式 Illuminated type	觸點 Contact	產品型號 Model	燈罩顏色 Top Color	額定電壓 Rated Voltage
圓形 / Round	自復 Momentary	不帶燈 Without LED	單切/SPDT	K16-211 □ ●	請用下列顏色編碼 替換型號中的"□" R 紅色/Red G 綠色/Green Y 黃色/Yellow W 白色/White B 藍色/Blue A 橙色/Orange	請用下列顏色編碼 替換型號中的"●" D:24VDC E:12VDC F:6.3VDC A1:110VAC A2:220VAC
			雙切/DPDT	K16-212 □ ●		
		帶燈 With LED	單切/SPDT	K16-271 □ ●		
			雙切/DPDT	K16-272 □ ●		
	自鎖 Maintained	不帶燈 Without LED	單切/SPDT	K16-311 □ ●		
			雙切/DPDT	K16-312 □ ●		
帶燈 With LED	單切/SPDT	K16-371 □ ●				
雙切/DPDT	K16-372 □ ●					
方形 / Square	自復 Momentary	不帶燈 Without LED	單切/SPDT	K16-221 □ ●	請用下列顏色編碼 替換型號中的"□" R 紅色/Red G 綠色/Green Y 黃色/Yellow W 白色/White B 藍色/Blue A 橙色/Orange	請用下列顏色編碼 替換型號中的"●" D:24VDC E:12VDC F:6.3VDC A1:110VAC A2:220VAC
			雙切/DPDT	K16-222 □ ●		
		帶燈 With LED	單切/SPDT	K16-281 □ ●		
			雙切/DPDT	K16-282 □ ●		
	自鎖 Maintained	不帶燈 Without LED	單切/SPDT	K16-321 □ ●		
			雙切/DPDT	K16-322 □ ●		
		帶燈 With LED	單切/SPDT	K16-381 □ ●		
			雙切/DPDT	K16-382 □ ●		
長方形 / Rectangle	自復 Momentary	不帶燈 Without LED	單切/SPDT	K16-231 □ ●	請用下列顏色編碼 替換型號中的"□" R 紅色/Red G 綠色/Green Y 黃色/Yellow W 白色/White B 藍色/Blue A 橙色/Orange	請用下列顏色編碼 替換型號中的"●" D:24VDC E:12VDC F:6.3VDC A1:110VAC A2:220VAC
			雙切/DPDT	K16-232 □ ●		
		帶燈 With LED	單切/SPDT	K16-291 □ ●		
			雙切/DPDT	K16-292 □ ●		
	自鎖 Maintained	不帶燈 Without LED	單切/SPDT	K16-331 □ ●		
			雙切/DPDT	K16-332 □ ●		
		帶燈 With LED	單切/SPDT	K16-391 □ ●		
			雙切/DPDT	K16-392 □ ●		

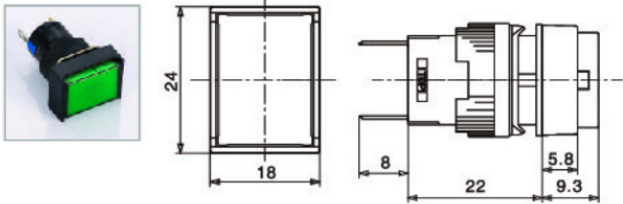
圓形指示燈



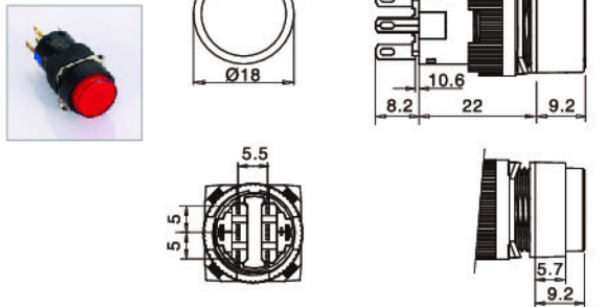
方形指示燈



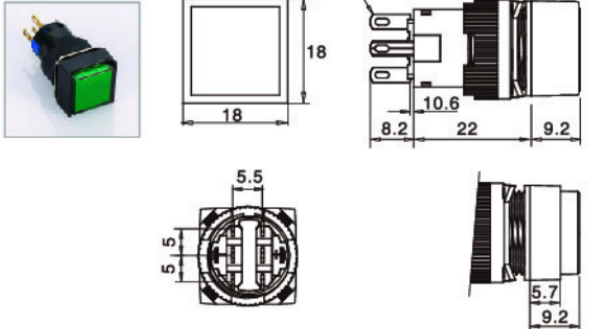
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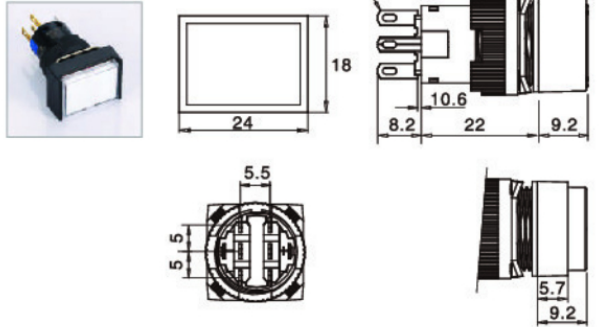
圓形按鈕



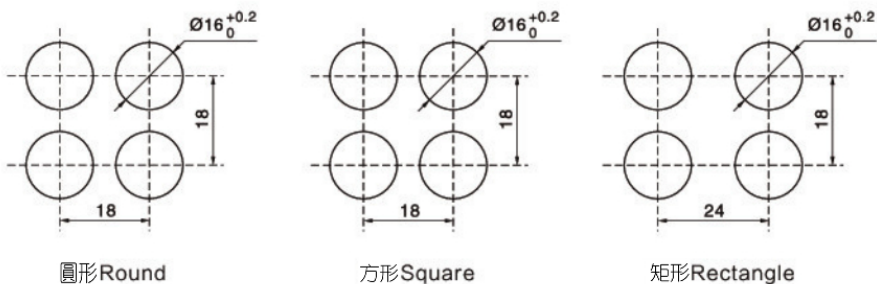
方形按鈕



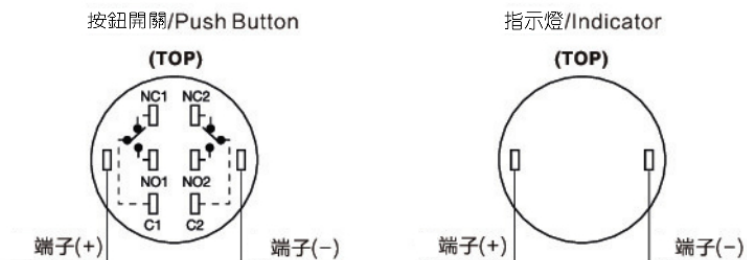
長方形按鈕



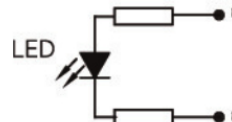
□ 安裝尺寸圖 / Installation size



□ 端子排列圖 / Terminal style



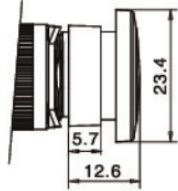
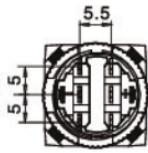
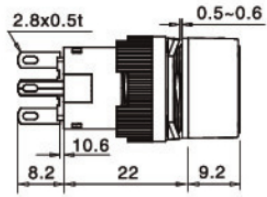
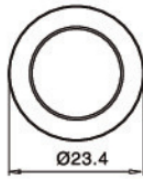
□ 燈珠電路圖 / LED Circuit



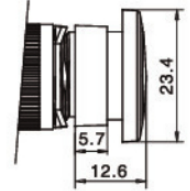
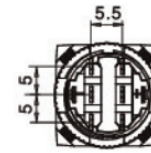
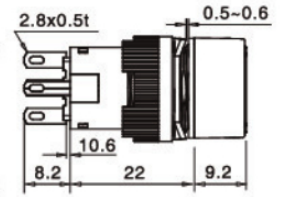
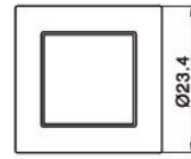
適用於交直流12VDC, 24VDC, 110VAC, 220VAC系列
for 12VDC, 24VDC, 110VAC, 220VAC

Product appearance	操作類別 Operation	帶燈形式 Illuminated type	觸點 Contact	產品型號 Model	燈罩顏色 Top Color	額定電壓 Rated Voltage
圓形 / Round  	自復 Momentary	不帶燈 Without LED	單切/SPDT	K16-911 □●	請用下列顏色編碼 替換型號中的"□" R 紅色/Red G 綠色/Green Y 黃色/Yellow W 白色/White B 藍色/Blue	請用下列顏色編碼 替換型號中的"●" D:24VDC E:12VDC F:6.3VDC A1:110VAC A2:220VAC
			雙切/DPDT	K16-912 □●		
		帶燈 With LED	單切/SPDT	K16-971 □●		
			雙切/DPDT	K16-972 □●		
	自鎖 Maintained	不帶燈 Without LED	單切/SPDT	K16-911H □●		
			雙切/DPDT	K16-912H □●		
		帶燈 With LED	單切/SPDT	K16-971H □●		
			雙切/DPDT	K16-972H □●		
方形 / Square  	自復 Momentary	不帶燈 Without LED	單切/SPDT	K16-921 □●	請用下列顏色編碼 替換型號中的"□" R 紅色/Red G 綠色/Green Y 黃色/Yellow W 白色/White B 藍色/Blue	請用下列顏色編碼 替換型號中的"●" D:24VDC E:12VDC F:6.3VDC A1:110VAC A2:220VAC
			雙切/DPDT	K16-922 □●		
		帶燈 With LED	單切/SPDT	K16-981 □●		
			雙切/DPDT	K16-982 □●		
	自鎖 Maintained	不帶燈 Without LED	單切/SPDT	K16-921H □●		
			雙切/DPDT	K16-922H □●		
		帶燈 With LED	單切/SPDT	K16-981H □●		
			雙切/DPDT	K16-982H □●		
長方形 / Rectangle  	自復 Momentary	不帶燈 Without LED	單切/SPDT	K16-931 □●	請用下列顏色編碼 替換型號中的"□" R 紅色Red G 綠色Green Y 黃色Yellow W 白色White B 藍色Blue	請用下列顏色編碼 替換型號中的"●" D:24VDC E:12VDC F:6.3VDC A1:110VAC A2:220VAC
			雙切/DPDT	K16-932 □●		
		帶燈 With LED	單切/SPDT	K16-991 □●		
			雙切/DPDT	K16-992 □●		
	自鎖 Maintained	不帶燈 Without LED	單切/SPDT	K16-931H □●		
			雙切/DPDT	K16-932H □●		
		帶燈 With LED	單切/SPDT	K16-991H □●		
			雙切/DPDT	K16-992H □●		

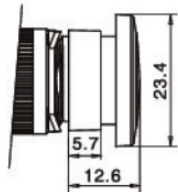
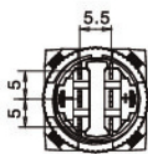
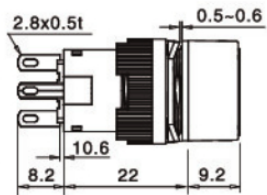
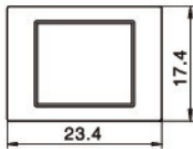
圓形按鈕



長方形按鈕

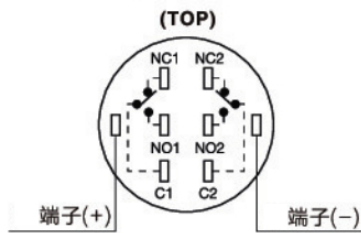


方形按鈕

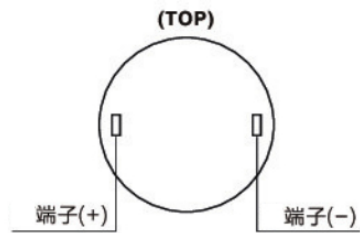


□ 端子排列圖 / Terminal style

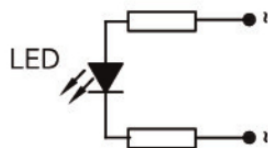
按鈕開關/ Push Button



指示燈/ Indicator



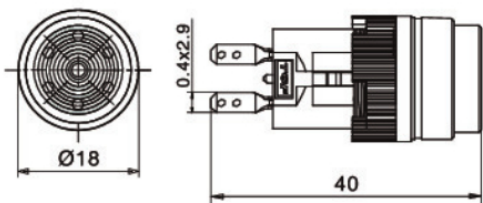
□ 燈珠電路圖/ LED Circuit



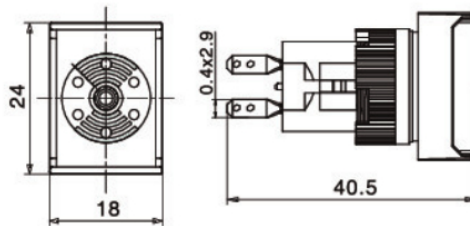
適用於交直流12VDC, 24VDC, 110VAC, 220VAC系列
for 12VDC, 24VDC, 110VAC, 220VAC

名稱/外觀 Product appearance	帶燈形式 Illuminated type	產品型號 Model
圓形 / Round  	不帶燈 Without LED	K16-CZ
	帶燈 With LED	K16-CZL
長方形 / Rectangle  	不帶燈 Without LED	K16-BZ
	帶燈 With LED	K16-BZL

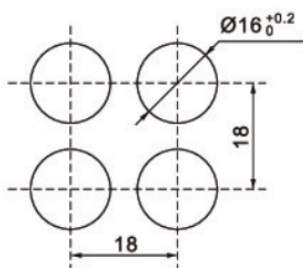
圓形蜂鳴器



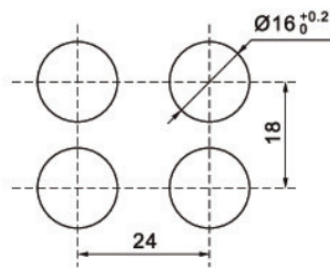
長方形蜂鳴器



□ K16蜂鳴器安裝尺寸 / K16 Buzzer Installation size

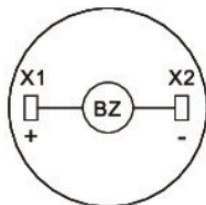


方形 Square



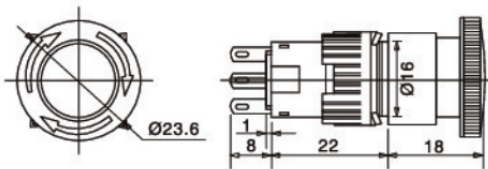
矩形 Rectangle

□ 接線圖 / Contacts circuit

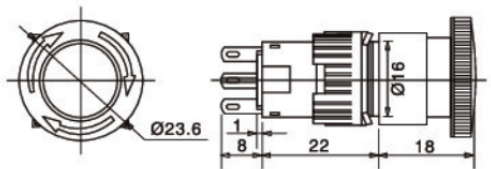


Product appearance	觸點 Contact	產品型號 Model
圓形 / Round 	單切 SPDT	K16-811
	雙切 DPDT	K16-812
圓形 / Round 	單切 SPDT	K16-871
	雙切 DPDT	K16-872
圓形 / Round 	單切 SPDT	K16-811-N
	雙切 DPDT	K16-812-N

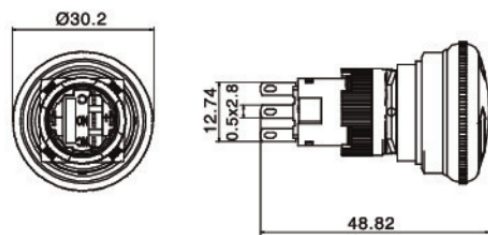
圓形急停按鈕



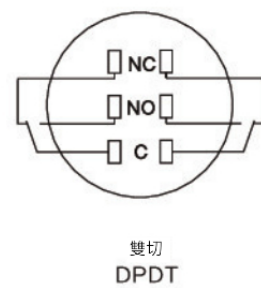
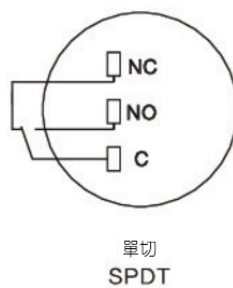
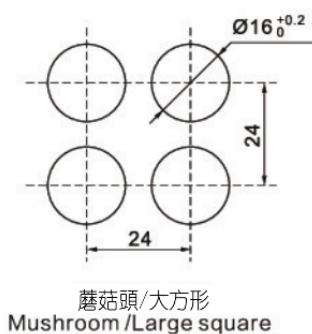
圓形急停按鈕



圓形急停按鈕

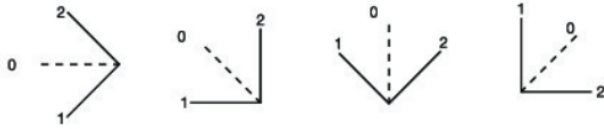


□ K16急停按鈕外型尺寸 / K16 E-stop shape size



選擇角的位置變更方法































【3位選擇形狀例】



出廠時的選擇位位置

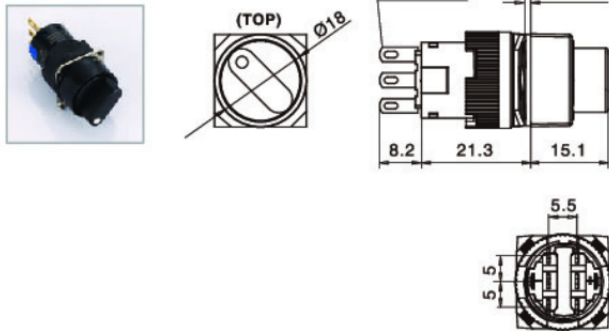


<http://www.bomin.com.tw>

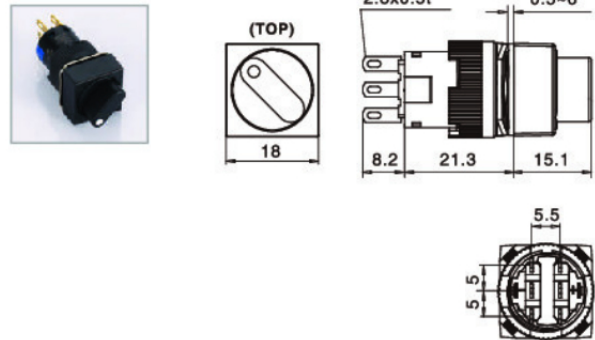
Product appearance	操作位規格 Operation		觸點 Contact	產品型號 Model		
圓形 / Round  	90° 2位 2 Postion	L 	自鎖/Maintained	單切/SPDT	K16-4112	
		L 	自復/Momentary	單切/SPDT	K16-4110	
		L 	自鎖/Maintained	雙切/DPDT	K16-4122	
		L 	自復/Momentary	雙切/DPDT	K16-4120	
	90° 3位 3 Postion	L 	自鎖/Maintained	雙切/DPDT	K16-5123	
		L 	左鎖右復/Left lock Right reset	雙切/DPDT	K16-5127	
		L 	左復右鎖/Left reset Right lock	雙切/DPDT	K16-5126	
		L 	自復/Momentary	雙切/DPDT	K16-5121	
	方形 / Square  	90° 2位 2 Postion	L 	自鎖/Maintained	單切/SPDT	K16-4212
			L 	自復/Momentary	單切/SPDT	K16-4210
L 			自鎖/Maintained	雙切/DPDT	K16-4222	
L 			自復/Momentary	雙切/DPDT	K16-4220	
90° 3位 3 Postion		L 	自鎖/Maintained	雙切/DPDT	K16-5223	
		L 	左鎖右復/Left lock Right reset	雙切/DPDT	K16-5227	
		L 	左復右鎖/Left reset Right lock	雙切/DPDT	K16-5226	
		L 	自復/Momentary	雙切/DPDT	K16-5221	
長方形 / Rectangle  		90° 2位 2 Postion	L 	自鎖/Maintained	單切/SPDT	K16-4312
			L 	自復/Momentary	單切/SPDT	K16-4310
	L 		自鎖/Maintained	雙切/DPDT	K16-4322	
	L 		自復/Momentary	雙切/DPDT	K16-4320	
	90° 3位 3 Postion	L 	自鎖/Maintained	雙切/DPDT	K16-5323	
		L 	左鎖右復/Left lock Right reset	雙切/DPDT	K16-5327	
		L 	左復右鎖/Left reset Right lock	雙切/DPDT	K16-5326	
		L 	自復/Momentary	雙切/DPDT	K16-5321	

操作位規格 Operation				觸點 Contact	↙	↑	↗
90° 2位 2 Positon	 自鎖 Maintained		 自復 Momentary		單切 SPDT		
					雙切 DPDT		
90° 3位 3 Positon	 自鎖 Maintained	 左鎖右復 Left lock Right reset	 左復右鎖 Left reset Right lock	 自復 Momentary	三切 TPDT		

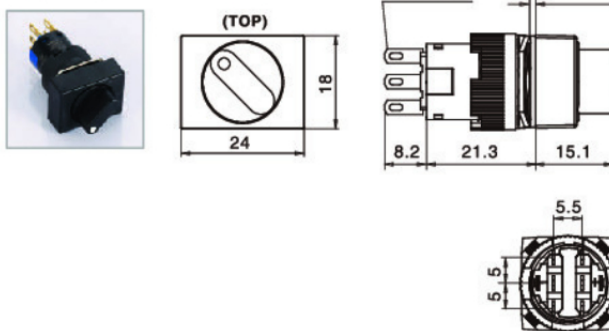
圓形選擇組



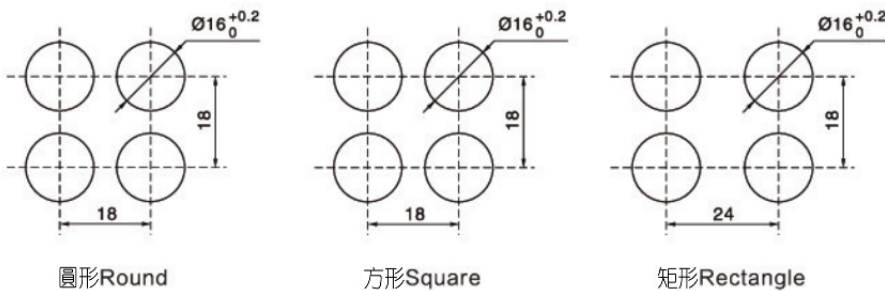
方形選擇組



長方形選擇組

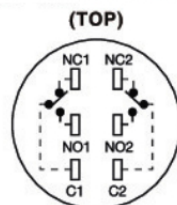


□ 安裝尺寸圖 / Installation size



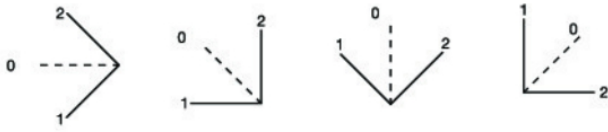
□ 端子排列圖 / Terminal style

按鈕開關/ Push Button



選擇角的位置變更方法

【3位選擇形狀例】



出廠時的選擇位位置

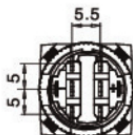
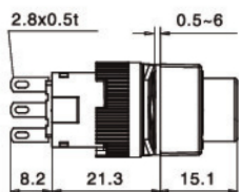
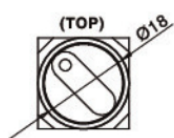


<http://www.bomin.com.tw>

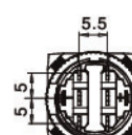
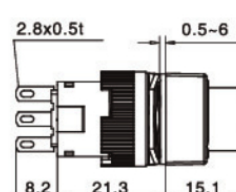
Product appearance	操作位規格 Operation	觸點 Contact	產品型號 Model	燈罩顏色 Top Color	額定電壓 Rated Voltage	
圓形 / Round  	90° 2位 2 Postion	L  自鎖 / Maintained	單切 / SPDT	K16-4712 □ ●	請用下列顏色編碼 替換型號中的 "□" ● 紅色 / Red ● 綠色 / Green ● 黃色 / Yellow ● 白色 / White ● 藍色 / Blue 請用下列顏色編碼 替換型號中的 "●" D:24VDC E:12VDC F:6.3VDC A1:110VAC A2:220VAC	
		L  R 自復 / Momentary	單切 / SPDT	K16-4710 □ ●		
		L  R 自鎖 / Maintained	雙切 / DPDT	K16-4722 □ ●		
		L  R 自復 / Momentary	雙切 / DPDT	K16-4720 □ ●		
	90° 3位 3 Postion	L  C  R 自鎖 / Maintained	雙切 / DPDT	K16-5723 □ ●		
		L  C  R 左鎖右復 Left lock Right reset	雙切 / DPDT	K16-5727 □ ●		
		L  C  R 左復右鎖 Left reset Right lock	雙切 / DPDT	K16-5726 □ ●		
		L  C  R 自復 / Momentary	雙切 / DPDT	K16-5721 □ ●		
	方形 / Square  	90° 2位 2 Postion	L  自鎖 / Maintained	單切 / SPDT		K16-4812 □ ●
			L  R 自復 / Momentary	單切 / SPDT		K16-4810 □ ●
L  R 自鎖 / Maintained			雙切 / DPDT	K16-4822 □ ●		
L  R 自復 / Momentary			雙切 / DPDT	K16-4820 □ ●		
90° 3位 3 Postion		L  C  R 自鎖 / Maintained	雙切 / DPDT	K16-5823 □ ●		
		L  C  R 左鎖右復 Left lock Right reset	雙切 / DPDT	K16-5827 □ ●		
		L  C  R 左復右鎖 Left reset Right lock	雙切 / DPDT	K16-5826 □ ●		
		L  C  R 自復 / Momentary	雙切 / DPDT	K16-5821 □ ●		
長方形 / Rectangle  		90° 2位 2 Postion	L  自鎖 / Maintained	單切 / SPDT	K16-4912 □ ●	
			L  R 自復 / Momentary	單切 / SPDT	K16-4910 □ ●	
	L  R 自鎖 / Maintained		雙切 / DPDT	K16-4922 □ ●		
	L  R 自復 / Momentary		雙切 / DPDT	K16-4920 □ ●		
	90° 3位 3 Postion	L  C  R 自鎖 / Maintained	雙切 / DPDT	K16-5923 □ ●		
		L  C  R 左鎖右復 Left lock Right reset	雙切 / DPDT	K16-5927 □ ●		
		L  C  R 左復右鎖 Left reset Right lock	雙切 / DPDT	K16-5926 □ ●		
		L  C  R 自復 / Momentary	雙切 / DPDT	K16-5921 □ ●		

操作位規格 Operation		觸點 Contact		
		↙	↑	↗
90° 2位 2 Positon	<p>自鎖 Maintained</p>	<p>自復 Momentary</p>	單切 SPDT 	
			雙切 DPDT 	
90° 3位 3 Positon	<p>自鎖 Maintained</p>	<p>左鎖右復 Left lock Right reset</p>	<p>左復右鎖 Left reset Right lock</p>	<p>自復 Momentary</p>
			三切 TPDT 	

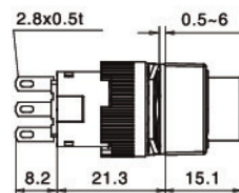
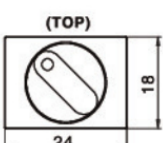
圓形選擇鈕



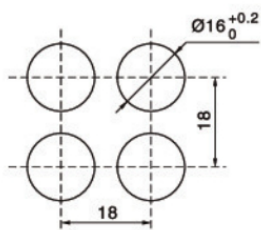
方形選擇鈕



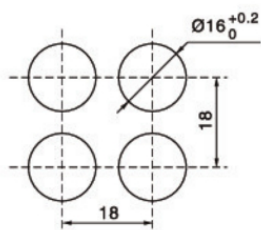
長方形選擇鈕



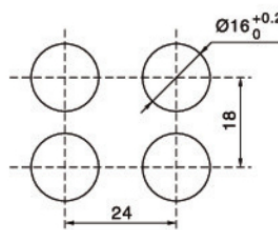
□ 安裝尺寸圖 / Installation size



圓形Round



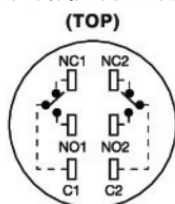
方形Square



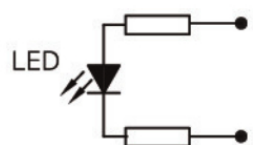
矩形Rectangle

□ 端子排列圖 / Terminal style

按鈕開關 / Push Button



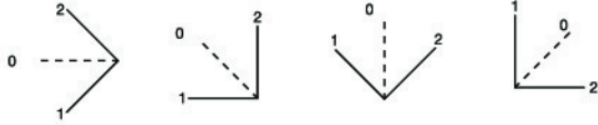
□ 燈珠電路圖 / LED Circuit



適用於交直流12VDC, 24VDC, 110VAC, 220VAC系列
for 12VDC, 24VDC, 110VAC, 220VAC































選擇角的位置變更方法

【3位選擇形狀例】



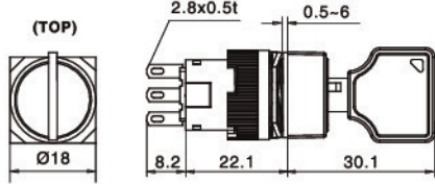
出廠時的選擇位位置



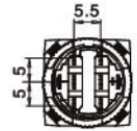
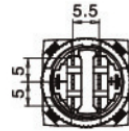
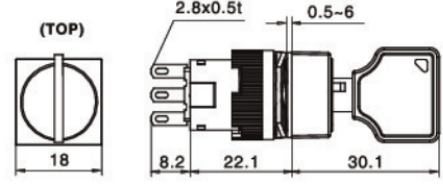
Product appearance	操作位規格 Operation		觸點 Contact	產品型號 Model	
圓形 / Round  	90° 2位 2 Postion	 自鎖/Maintained	單切/SPDT	K16-6112	
		 自復/Momentary	單切/SPDT	K16-6110	
		 自鎖/Maintained	雙切/DPDT	K16-6122	
		 自復/Momentary	雙切/DPDT	K16-6120	
	90° 3位 3 Postion	 自鎖/Maintained	雙切/DPDT	K16-7123	
		 左鎖右復/Left lock Right reset	雙切/DPDT	K16-7127	
		 左復右鎖/Left reset Right lock	雙切/DPDT	K16-7126	
		 自復/Momentary	雙切/DPDT	K16-7121	
	方形 / Square  	90° 2位 2 Postion	 自鎖/Maintained	單切/SPDT	K16-6212
			 自復/Momentary	單切/SPDT	K16-6210
 自鎖/Maintained			雙切/DPDT	K16-6222	
 自復/Momentary			雙切/DPDT	K16-6220	
90° 3位 3 Postion		 自鎖/Maintained	雙切/DPDT	K16-7223	
		 左鎖右復/Left lock Right reset	雙切/DPDT	K16-7227	
		 左復右鎖/Left reset Right lock	雙切/DPDT	K16-7226	
		 自復/Momentary	雙切/DPDT	K16-7221	
長方形 / Rectangle  		90° 2位 2 Postion	 自鎖/Maintained	單切/SPDT	K16-6312
			 自復/Momentary	單切/SPDT	K16-6310
	 自鎖/Maintained		雙切/DPDT	K16-6322	
	 自復/Momentary		雙切/DPDT	K16-6320	
	90° 3位 3 Postion	 自鎖/Maintained	雙切/DPDT	K16-7323	
		 左鎖右復/Left lock Right reset	雙切/DPDT	K16-7327	
		 左復右鎖/Left reset Right lock	雙切/DPDT	K16-7326	
		 自復/Momentary	雙切/DPDT	K16-7321	

操作位規格 Operation				觸點 Contact	↙	↑	↗	
90° 2位 2 Positon	 自鎖 Maintained		 自復 Momentary		單切 SPDT			
					雙切 DPDT			
90° 3位 3 Positon	 自鎖 Maintained	 左鎖右復 Left lock Right reset	 左復右鎖 Left reset Right lock	 自復 Momentary	三切 TPDT			

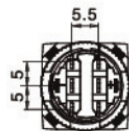
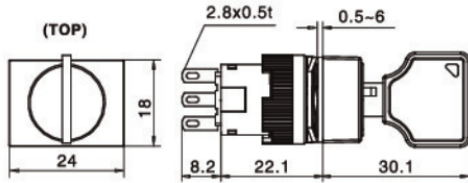
圓形鑰匙鈕



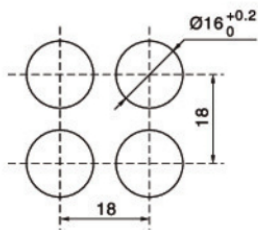
方形鑰匙鈕



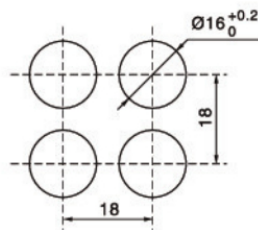
長方形鑰匙鈕



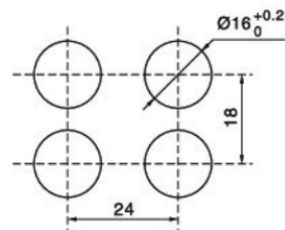
□ 安裝尺寸圖 / Installation size



圓形Round

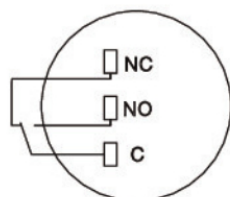


方形Square

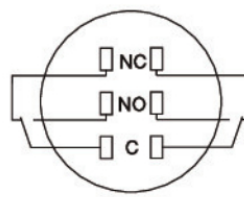


矩形Rectangle

□ 接線圖 / Contacts circuit



單切
SPDT



雙切
DPDT

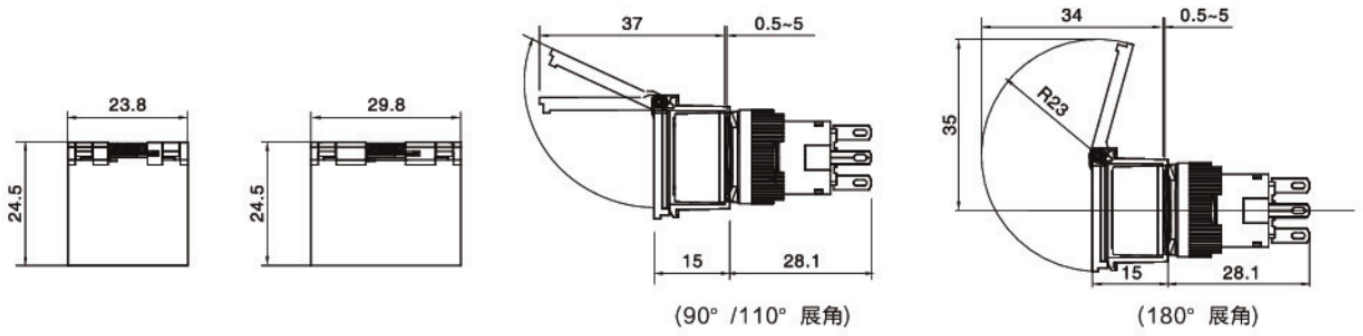
Appearance	名稱 Name	規格 Specifications	型號 Type	適用範圍 Application
	鎖緊環扳手 Lock ring spanner	塑料 Plastic K16系列專用 Series special	JH16MGJ	將元件安裝到面板時，鎖緊元件環專用工具 請用0.88N.m以內的扭矩緊鎖環 The components will be mounted to the panel, tighten the resin ring use tools.
	燈泡更換工具 Bulb replacing tool	塑料 Plastic K16系列專用 Series special	JH16DGJ	更換LED時的工具 Replacing the LED tool
	按鈕拆卸工具 Button removal tool	塑料 Plastic K16系列專用 Series special	JH16CXGJ	拆卸燈罩和按鈕用的工具 Replacing the LED tool
	開關專用保護罩 Switch protective cover tools Protective cover (multiple arylation resin) Base(POM)	圓形/正方形用(90° 開閉固定保持型) Round/square with(90° Open/close keep type)	 JH162S2	防護等級/Protection grade: IP40 誤動作防止用/Preveting errors with
		長方形用(110° 開閉固定保持型) Rectangle(110° Open/close keep type)	 JH162S1	防護等級/Protection grade: IP40 誤動作防止用/Preveting errors with
		圓形/正方形用(180° 開閉彈簧復位型) Round/square with(180° Open/close spring return type)	 JH162F2	防護等級/Protection grade: IP40 誤動作防止用/Preveting errors with 但僅限予IP67元件組合時誤動作防止用。 But IP40 only when combined with components malfunction prevention.
		長方形用(180° 開閉彈簧復位型) Rectangle(180° Open/close spring return type)	 JH162F1	防護等級/Protection grade: IP40 誤動作防止用/Preveting errors with 但僅限予IP67元件組合時誤動作防止用。 But IP40 only when combined with components malfunction prevention.
		圓形/正方形用(90° 開閉彈簧復位型) Round/square with(90° Open/close return type)	 Ø19 Ø22使用 Ø19 Ø22Use JHK16M1	防護等級/Protection grade: IP40 誤動作防止用/Preveting errors with

Appearance	名稱 Name	規格 Specifications	型號 Type	適用範圍 Application
	平面鑲嵌框 Plane frame	圓形元件專用 Circular components 金屬(鋁色) Metal(aluminum color)	JH16-YJSXK	防護等級 / Protection grade: IP40 僅限予與IP65元件組合使用時 only when used in combination with IP65 components
		圓形元件專用 Circular components 樹脂(黑色) Resin(black)	JH16-SXK	防護等級 / Protection grade: IP40 僅限予與IP65元件組合使用時 only when used in combination with IP65 components
		正方形元件專用 Square components 樹脂(黑色) Resin(black)	JH16-FXK	防護等級 / Protection grade: IP40 僅限予與IP65元件組合使用時 only when used in combination with IP65 components
		長方形元件專用 Rectangle components 樹脂(黑色) Resin(black)	JH16-JKX	防護等級 / Protection grade: IP40 僅限予與IP65元件組合使用時 only when used in combination with IP65 components
		圓形元件專用 Circular components (PA66)	JH16-FHXK	防護等級 / Protection grade: IP40 僅限予與IP65元件組合使用時 only when used in combination with IP65 components
		正方形元件專用 Square components (PA66)		
		長方形元件專用 Rectangle components (PA66)	JH16-JHXK	適用於MP16系列長方形照明按鈕開關及按鈕開關 選擇開關, 照明選擇開關, 搖桿開關等不能使用 防護等級: IP40(僅限予IP40元件組合使用) Applicable to MP16 series of Rectangle illuminated push button switch and button switch. Select switch, lighting switch, rocker switch can not be used. Protection grade: IP40(IP40 only components used in combination)
	燈罩 Top cover	圓形/Round	JHK16R□	請用下列顏色編碼 替換型號中的"□" R 紅色/Red G 綠色/Green Y 黃色/Yellow W 白色/White B 藍色/Blue A 橙色/Orange
		方形/Square	JHK16S□	
		長方形 Rectangle	JHK16G□	

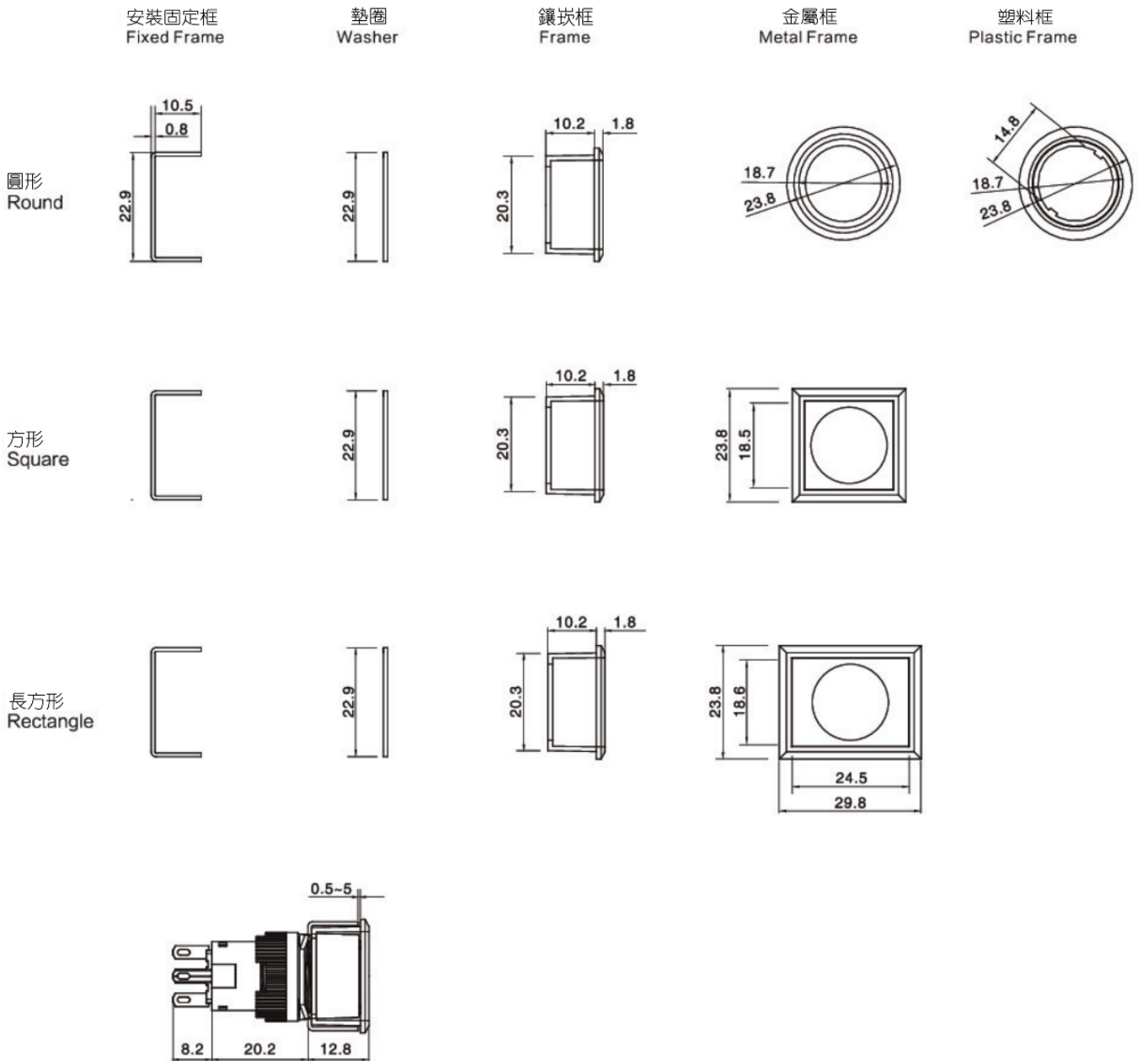
Appearance	名稱 Name	規格 Specifications	型號 Type	適用範圍 Application
	文字標記牌 Top cover	圓形/Round 丙烯樹脂	JHK16MR	乳白色/Milky White
		方形/Square 丙烯樹脂	JHK16MS	
		長方形 Rectangle 丙烯樹脂	JHK16MG	
	鑰匙 Key	黃銅(鍍鎳) Brass(nickel)	JHK16K	厚度/Thickness t=2.0mm
	LED	DC額定值 / DC Rating 8mA	JHK16L	請用下列顏色編碼替換型號中的"□" R 紅色/Red B 藍色/Blue G 綠色/Green A 橙色/ Orange Y 黃色/Yellow RW 乳白色/Milky White W 白色/White
	防水罩 Waterproof socket	圓形/Round	JHK16PR	適用於JHK16, JHF16按鈕開關使用後 防護等級可達至IP40(頭部防浸水) Applicable for JHK16, JHF16 push- button switches, the protection class can reach IP40 after being used (the head resists the water)
		方形/Square	JHK16PS	
		長方形 Rectangle	JHK16PG	
	絕緣端子罩 Insulated terminal cover	F16使用 乳白色尼龍樹脂制 Mili white nylon resin	JHFP	接線時,先將導線插入絕緣端子罩的孔中後, 在焊接.端子罩非標配,需另行訂購 When wiring, the wire is inserted into the insulating terminal cover the hole, in welding. Terminal cover is not standard. Please order separately
	焊接腳保護套 The welding foot protective sleeve	K16使用 乳白色尼龍樹脂制 Mili white nylon resin	JHKP	防護等級: IP65 鎖緊扭矩: 0.1~0.29N·m Protection grade: IP65 A locking torque: 0.1~0.29N·m

Appearance	名稱 Name	規格 Specifications	型號 Type	適用範圍 Application
	插座 Socket	焊接端子 Solder terminal	JH16S114	插置元件的後部即可 Simply plug into the components of the rear.
		PCB用端子 Terminal	JH16S113	
	安裝孔塞 Mount cover 橡膠塞 Rubber plug	丁腈橡膠制 (黑色) Nitrile rubber (black)	JH16KG	防護等級: IP40 Protection grade: IP40
	急停保護罩 Emergency stop protection cover	帶圓環 With aring 塑料/Plastics	JH16HH1	防護等級: IP65 鎖緊扭矩: 0.1~0.29N·m Protection grade: IP65 A locking torque: 0.1~0.29N·m
		不帶圓環 Without the ring 塑料/Plastics	JH16HH2	
	端子 Terminal	金屬製(鑄造) Metal(die casting) 鎖緊環(樹脂) The locking ring(resin)	JH16JXT	防護等級: IP65 鎖緊扭矩: 0.1~0.29N·m Protection grade: IP65 A locking torque: 0.1~0.29N·m
	變壓器 Transformer	6V、12V、24V	F16-T1	
			F16-T2	

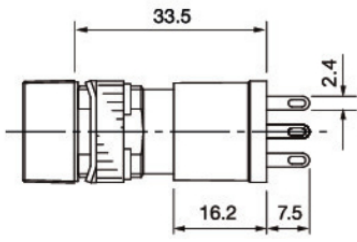
□ 護罩型平面鑲嵌框, 5/8" (16mm) / Switch guard 5/8"(16mm)



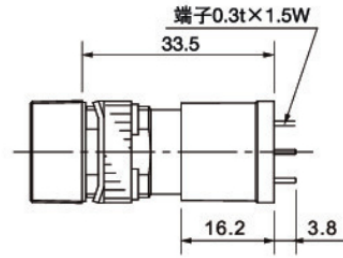
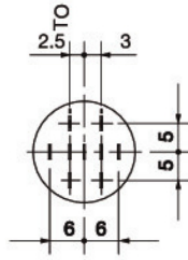
□ 平面鑲嵌框 / Plane frame



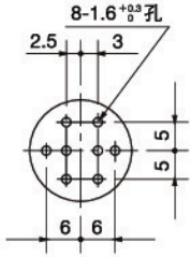
□ 插座 / Socket



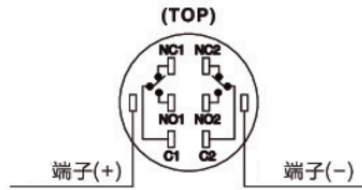
焊接端子型(AL-C6型)
Solder terminals (AL-06 Type)



PCB用端子型(AL-C6V型)
Terminals (AL-C6V Type)

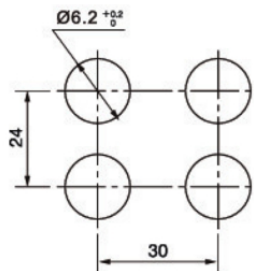
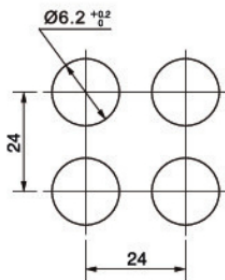
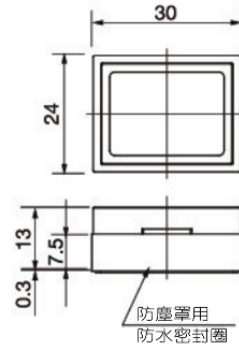
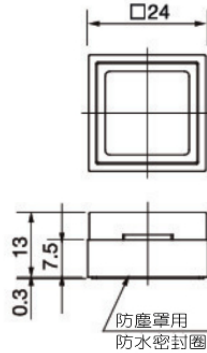
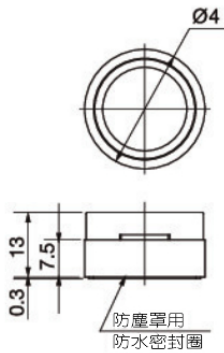


PCB加工圖(底視圖)
PCB Processing map

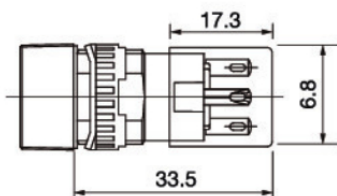


PC用端子型(底視圖)
PC Terminals arrangement map

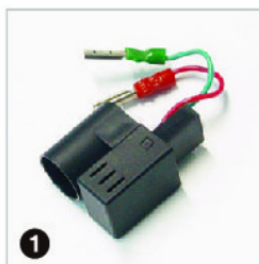
□ 防塵罩 / Dust Proof Cover



□ 絕緣端子 / Insulated Terminal

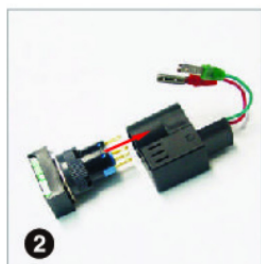


注意: 接線時請先將導線插入絕緣端子罩內再進行焊接



JHK16 電路轉換器, 是將 220VAC 轉換為 24VDC
紅色輸出端為正極
綠色輸出端為負極

JHK16 circuit converter, which can convert 220VAC into 24VDC, Red output terminal is anode, Green output terminal is cathode.

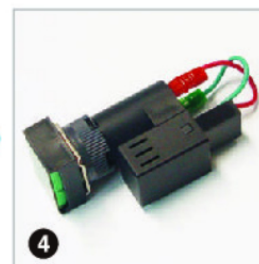


將按鈕插入轉換器的基蓋
Inserting the but to into the base of converter

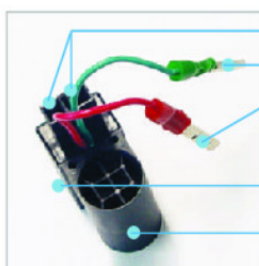


紅色輸出端子插入按鈕正極觸點
綠色輸出端子插入按鈕負極觸點

Red output insert into corresponding anode contact of the button
Green output insert into corresponding cathode contact of the button

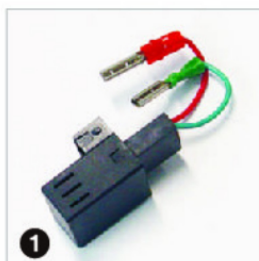


完成 Finish



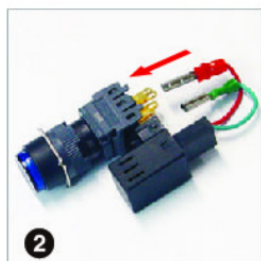
輸入端子 Input
輸出端子 Output

基座 Base
基蓋 Cover

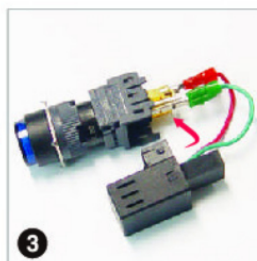


JHK16, JHM16 電路轉換器 是將 220VAC 轉換為 24VDC
紅色輸出端為正極
綠色輸出端為負極

JHF16, JHM16 circuit converter, which can convert 220VAC into 24VAC, Red output terminal is anode, Green output terminal is cathode.

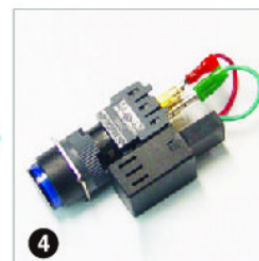


將按鈕插入轉換器的基蓋
Inserting the but to into the base of converter

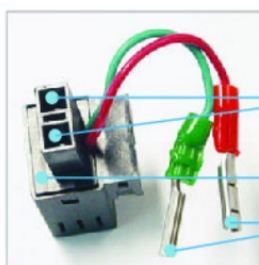


紅色輸出端子插入按鈕正極觸點
綠色輸出端子插入按鈕負極觸點

Red output insert into corresponding anode contact of the button
Green output insert into corresponding cathode contact of the button



完成 Finish



輸入端子 Input

基座 Base

輸出端子 Output