

PS9型按鈕開關系列 Button switch series

◆ 特點和用途 Characteristics and usage

- 壽命長、可靠性高、接觸穩定可靠；廣泛應用於家用電器、冰箱和照明等
Long Life, high reliability, contact stability and reliability; widely used in home appliances, refrigerators and lighting and etc.
- 點接觸穩定可靠
Stable and reliable contact



◆ 技術特性 Technical Characteristics

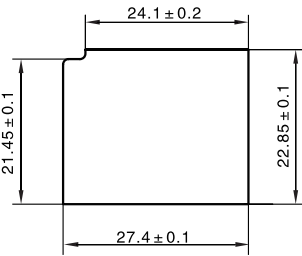
項目 Item		特性值 Value
環境溫度 Environment temperature		-40 ~ +85℃
工作速度 Operating speed		30 mm ~ 600mm/s
工作頻率 Operating frequency		機械 60次/min;電氣 15次/min Mechanical 60 cycles/min;Electrical 15 cycles/min
絕緣電阻 Insulation resistance		≥ 100M Ω (500VDC)
接觸電阻 Contact resistance		≤ 50m Ω
耐電壓 Test voltage	同極不相接端子間 Between terminals of the same polarity	AC1000V,50/60Hz, 1min
	帶電金屬零件與地(外殼)之間、接綫端與不帶電金屬件之間 Between current-carrying metal parts and ground(case), and between each terminal and non-current-carrying metal parts.	AC1500V , 50/60Hz, 1min
抗振動 Vibration resistance		10 ~ 55Hz, 1.5mm 雙振幅 Double amplitude
抗衝擊 Shock resistance		耐久 Endurance: 1000m/s ² (約100G approx.100G)max 誤動作 Wrong action:300m/s ² (約30G approx.30G)max
外殼防護等級 Cover protection degree		IEC IP54
電氣壽命 Electrical Life		≥ 50,000次; cycles
機械壽命 Mechanical Life		≥ 500,000次; cycles

◆ 型號規格命名及含義 Model number legend and meanings

PS9 - □ □ - (□)
 1 2 3

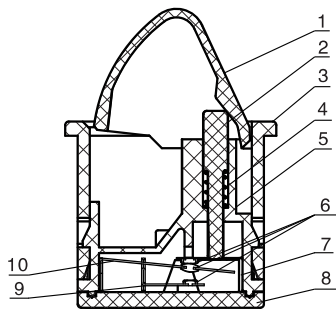
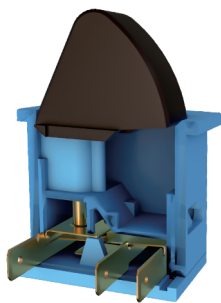
1 接觸形式 Circuit	Z: 轉換式 SPDT T: 常閉式 SPST-NO
2 端子類型 Terminal types	1: 187快接端子187# Quick-connect terminal 2: 其它端子 Other terminals
3 附加規格代號 Additional specs code	特殊要求 (用兩位阿拉伯數字表示) Special Requirements (Shows as Arabic numerals or letters)

◆ 安裝孔尺寸 Mounting hole dimension



◆ 接觸形式說明圖 Circuit illustration

轉換式 SPDT 	常開式 SPST-NO 	常閉式 SPST-NC
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- 1: 按鈕

2: 按鈕

3: 外殼

4: 壓簧

5: 底座

6: 電觸點

7: 常閉端子

8: 底蓋

9: 常開端子

10: 可動片
- Plunger

Plunger

Cover

Spring

Case

Contact

NC terminal

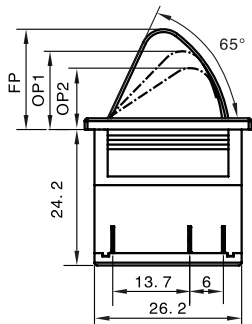
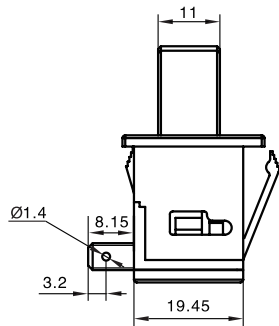
Bottom cap

NO terminal

Moving piece

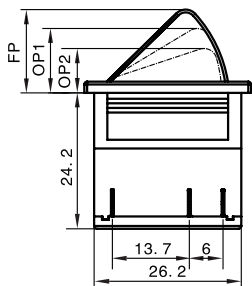
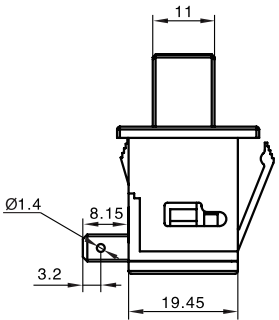
◆ 外形尺寸和動作特性 Dimensions and operating characteristics

PS9-Z1-02
(A型按鈕,標準款 Plunger type A ,standard type)



參數 Parameters	
FP Max(mm)	19.0
OP1 (mm)	14.0 ± 1.5
OF1 Max(N)	0.7
OP2 (mm)	11.0 ± 2.0
OF2 Max(N)	1.0

PS9-Z1-B
(B型按鈕 Plunger type B)



參數 Parameters	
FP Max(mm)	15.2
OP1 (mm)	11.5 ± 1.5
OF1 Max(N)	0.7
OP2 (mm)	8.0 ± 2.0
OF2 Max(N)	1.0