



SPECIFICATIONS

MAX. CURRENT/VOLTAGE RATING WITH RESISTIVE LOAD:

Standard bushing type: 400mA 32VAC-100mA 50VDC-125mA 125VAC

Metal bushing type(Die-casting with plating): 500mA 48VAC - 200 mA 50VDC - 200mA 250VAC

INITIAL CONTACT RESISTANCE: 50mΩmax. (without wire leads)

INSULATION RESISTANCE: 1GΩmin.at 500VDC.

DIELECTRIC STRENGTH:

Standard bushing type: 1,000 VAC rms.(initial value)

Metal bushing type(Die-casting with plating): 1,500 VAC rms.(initial value)

ELECTRICAL LIFE AT FULL LOAD: 500,000 cycles.

OPERATING TEMPERATURE: -30°C to 85°C.

TOTAL TRAVEL: 1.5 mm(.059)

OPERATING FORCE: 2N~5N

CONTACT BOUNCE: 10 ms.

MECHANICAL LIFE: 1,000,000 cycles.

TORQUE:

Standard bushing type: 0.5 Nm max.

Metal bushing type (Die-casting with plating): 1.5 Nm max.

SOLDERING: 350°C max. for 5 seconds.

MATERIALS

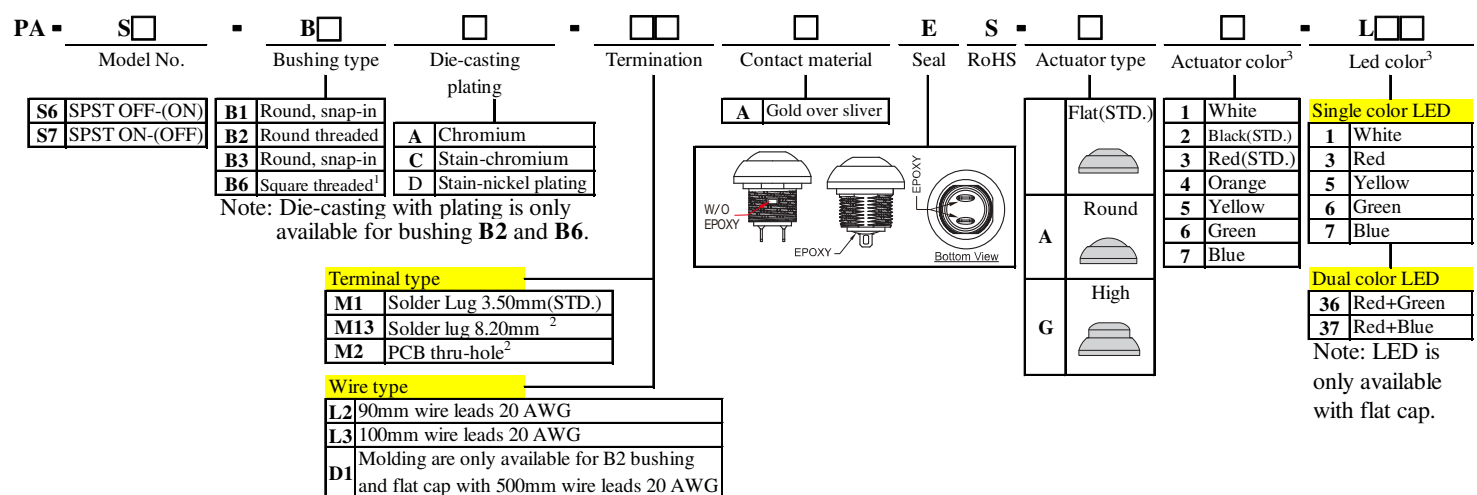
CASE: Diallyl phthalate (DAP)(UL94v-0).

CAP: Polyamide 6/6.

BUSHING: Polyamide 6/6.

IP67 models available,
consult sales representatives.

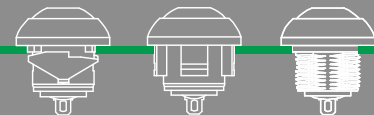
PART NUMBERING SYSTEM



¹ Bushing B6 is only available with flat cap.

² Terminal M13 and M2 are only available with PA-S6 without LED.

³ Except standard color, for other colors information please consult sales representative.



Model No./ Switching function ()= Momentary

Model No.	Switching function	
	Pos. 1	Pos. 2
S6	OFF	(ON)
Connected terminals	OPEN	1-3
Schematic		

Model No.	Switching function	
	Pos. 1	Pos. 2
S7	ON	(OFF)
Connected terminals	1-3	OPEN
Schematic		

Bushing

Unit: mm

B1, Round, Snap-in	B2, Round, Threaded	B3, Round, Snap-in	B6, Square, Threaded
<p>Panel Cutout</p>	<p>Panel Cutout</p>	<p>Panel Cutout</p>	<p>Panel Cutout</p>
Panel thickness: 0.8 mm (.031inch) min. ~1.8 mm (.071inch) max.	Panel thickness: 1.5 mm (.059inch) min. ~4 mm (.157inch) max.	Panel thickness: 2.85+0.05/-0.10mm (.112inch)	Panel thickness: 1.5 mm (.059inch) min. ~4 mm (.157inch) max.

Die-casting with plating

A Chromium	C Stain-chromium	D Stain-nickel

Termination

Unit: mm

M1 Solder Lug(STD.)	M13 8.20 Solder Lug	M2 PCB Thru-hole
<p>PA-S6 PA-S7</p>		
Not available with LED.	Terminal M13 and M2 are only available with PA-S6 without LED.	

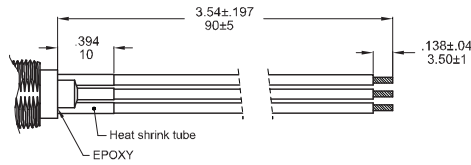


Termination

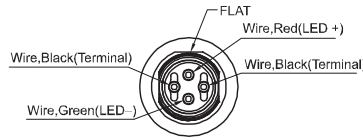
Unit: mm

Wire type

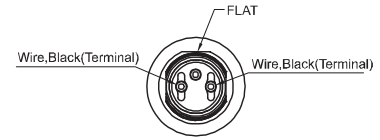
L2 90mm wire leads 20 AWG



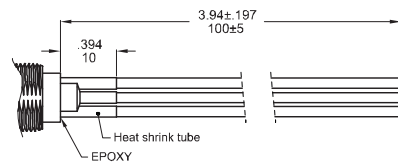
Illuminated



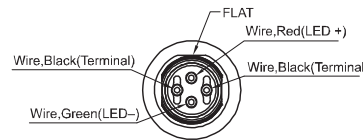
Non-illuminated



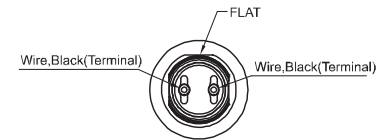
L3 100mm wire leads 20 AWG



Illuminated

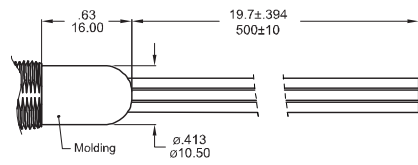


Non-illuminated

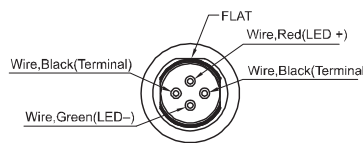


D1 Molding, 500mm wire leads 20 AWG

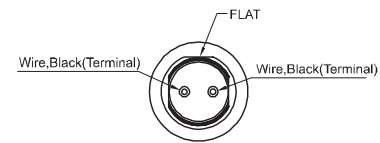
※ Only available for bushing B2 with flat cap.



Illuminated



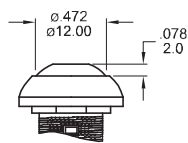
Non-illuminated



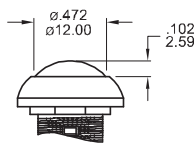
Actuator

Unit: mm

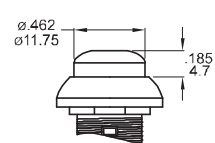
Flat type(STD.)



A Round



G High



Round and high caps are not available for bushing B6.

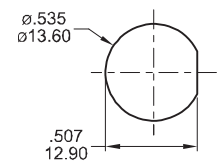
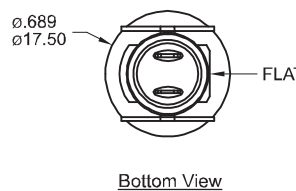
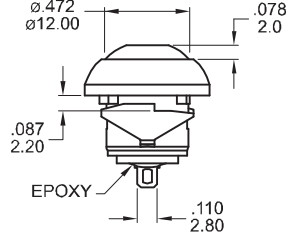
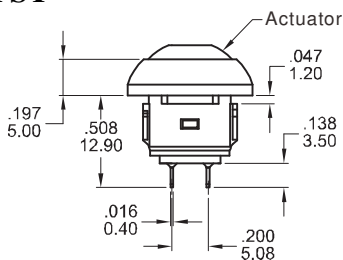
Dimensions

Unit: mm

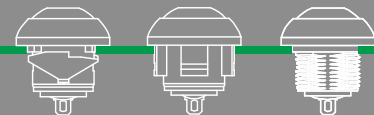
Part No. Shown: PA-S□-B1-M1AES-□

Panel Cutout

SPST



Panel thickness:
0.8 mm (.031inch) min. ~
1.8 mm (.071inch) max



Dimensions

Unit: mm

Part No. Shown: PA-S□-B2-M1AES-□ Panel Cutout

SPST

Actuator

Panel thickness:
1.5 mm (.059inch) min.
~4 mm (.157inch) max.

Part No. Shown: PA-S□-B3-M1AES-□ Panel Cutout

SPST

Actuator

Panel thickness:
2.85+0.05/-0.10mm (.112inch)

Part No. Shown: PA-S□-B6-M1AES-□ Panel Cutout

SPST

Actuator

Panel thickness:
1.5 mm (.059inch) min.
~4 mm (.157inch) max.

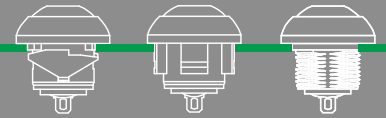
Part No. Shown: PA-S□-B2-M1AES-□-L□□ Panel Cutout

SPST

LED

Actuator

Panel thickness:
1.5 mm (.059inch) min.
~4 mm (.157inch) max.



Hardware

Unit: mm

Hardware	Nut	Lock washer	Eva washer	O-ring (13.5Ø)	O-ring (15.0Ø)
Bushing					
B1	1 pc	N. A.	1 pc	N. A.	N. A.
B2	1 pc	1 pc	1 pc	1 pc	N. A.
B3	1 pc	N. A.	N. A.	N. A.	1 pc
B6	1 pc	1 pc	N. A.	1 pc	N. A.