

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.

PART NUMBERING SYSTEM

PA -Е **S** -L RoHS Actuator type Model No. Bushing type Termination Contact material Seal Die-casting Actuator color Led color3 plating S6 SPST OFF-(ON) B1 Round, snap-in Gold over sliver Flat(STD. 1 White color LED 1 White S7 SPST ON-(OFF) B2 Round threaded 2 Black(STD.) A Chromium B3 Round, snap-in C Stain-chromium 3 Red(STD.) 3 Red D Stain-nickel plating Yellow **B6** Square threaded¹ 4 Orange 5 5 Yellow Note: Die-casting with plating is only Round 6 Green available for bushing **B2** and **B6**. 7 Blue 6 Green A 7 Blue <mark>olor LED</mark> erminal type High M1 Solder Lug 3.50mm(STD.) 36 Red+Green M13 Solder lug 8.20mm G 37 Red+Blue Note: LED is M2 PCB thru-hole only available Vire type L2 90mm wire leads 20 AWG with flat cap. 3 100mm wire leads 20 AWC Molding are only available for B2 bushing

¹Bushing **B6** is only available with flat cap.

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

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

and flat cap with 500mm wire leads 20 AWG

IP67 models available, consult sales representatives.



Model No./ Switching function ()= Momentary						
	Switching function			Switching function		
Model	Pos. 1	Pos. 2	Model	Pos. 1	Pos. 2	
No.			No.			
S6	OFF	(ON)	S7	ON	(OFF)	
Connected terminals	OPEN	1-3	Connected terminals	1-3	OPEN	
Schematic			Schematic	<u> </u>		

Bushing

B1 , Round, Snap-in	B2 , Round, Threaded	B3 , Round, Snap-in	B6 , Square, Threaded	
	047 047 047 047 047 017 047 017 			
Panel Cutout	Panel Cutout	Panel Cutout	Panel Cutout	
Ø.535 Ø13.60 .507 12.90	Ø.535 Ø13.60 .507 12.90	Ø.597 Ø15.20±0.1	0.535 013.60 507 12.90	
			Panel thickness:	
0.8 mm (.031inch) min. ~1.8 mm (.071inch) max.		2.85+0.05/-0.10mm (.112inch)	1.5 mm (.059inch) min. ~4 mm (.157inch) max.	
	i min (.157 men) max.		i min (.1.5 / men) max.	

Die-casting with plating

A Chromium	C Stain-chromium	D Stain-nickel
		Ţ

Termination

M1 Solder Lug(STD.) M2 PCB Thru-hole M13 8.20 Solder Lug .016 0.40 .110 2.80 .200 .323 8.20 .039 1.00 .200 5.08 .047 .138 3.50 .135 _____3.40 Not available Terminal M13 and M2 are only available with PA-S6 without LED. with LED.

Specifications and dimensions are subject to change.

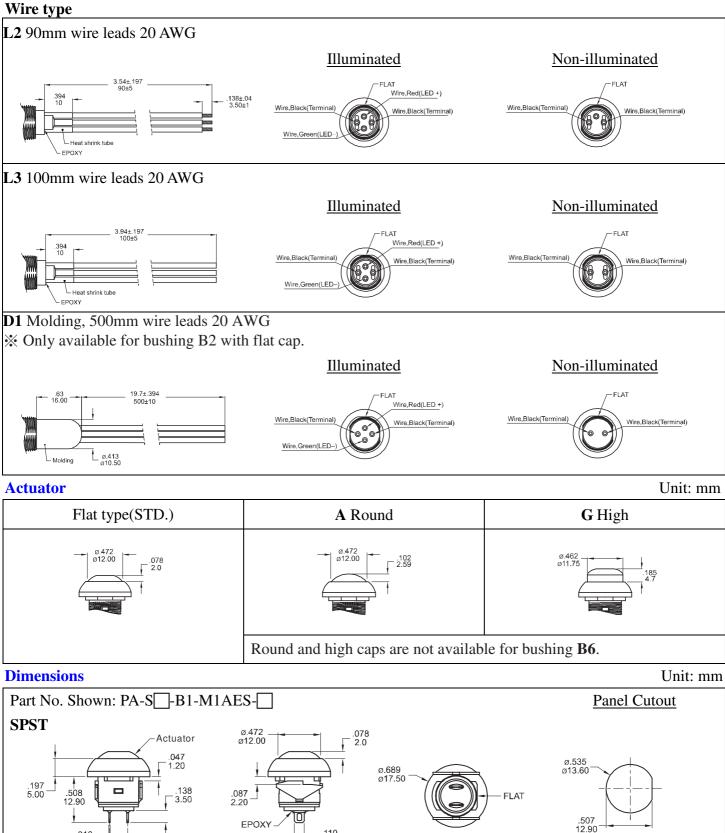
For the latest product information, please visit our website at <u>www.pacer.com.tw</u> or email us at <u>pacer@mail.ece.com.tw</u>

Unit: mm

Unit: mm

Unit: mm

Termination



Specifications and dimensions are subject to change.

.200 5.08

.016 0.40 EPOXY

Panel thickness:

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

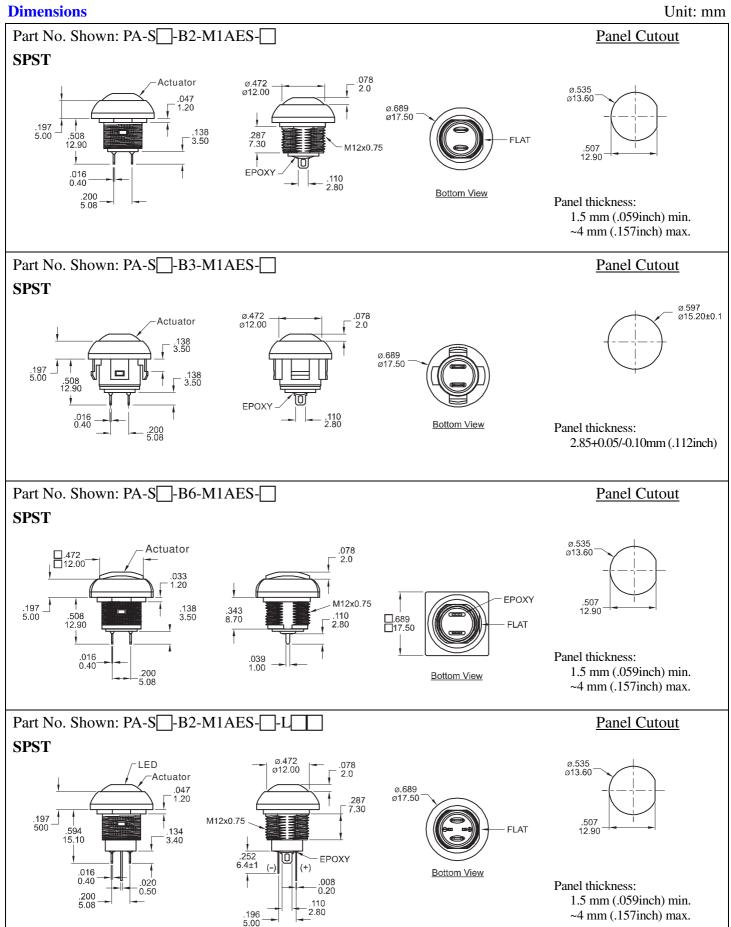
For the latest product information, please visit our website at www.pacer.com.tw or email us at pacer@mail.ece.com.tw

Bottom View

.110 2.80







Specifications and dimensions are subject to change.

For the latest product information, please visit our website at <u>www.pacer.com.tw</u> or email us at <u>pacer@mail.ece.com.tw</u>





Hardware Unit: mm					
Hardware	Nut	Lock washer	Eva washer	O-ring	O-ring
				(13.5Ø)	(15.0Ø)
Bushing	, 551 14.00 M12x0.75	0.625 015.90 0.000000000000000000000000000000000	039 100	0.532 013.50 047 1.20	0.39 0.39 0.00
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.