

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	
	047 047 047 047 047 017 047 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 017 			
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.

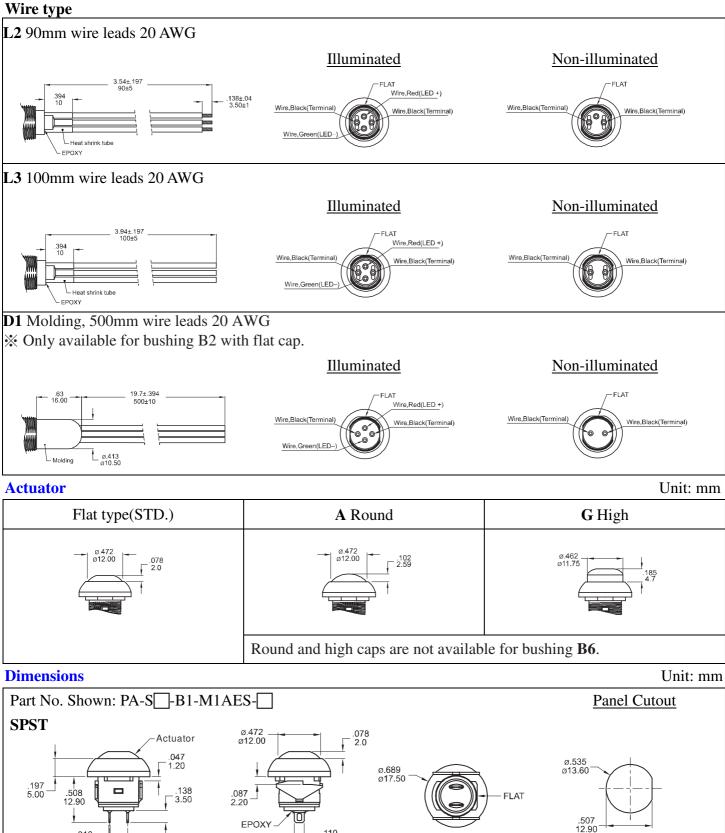
For the latest product information, please visit our website at <u>www.pacer.com.tw</u> or email us at <u>pacer@mail.ece.com.tw</u>

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

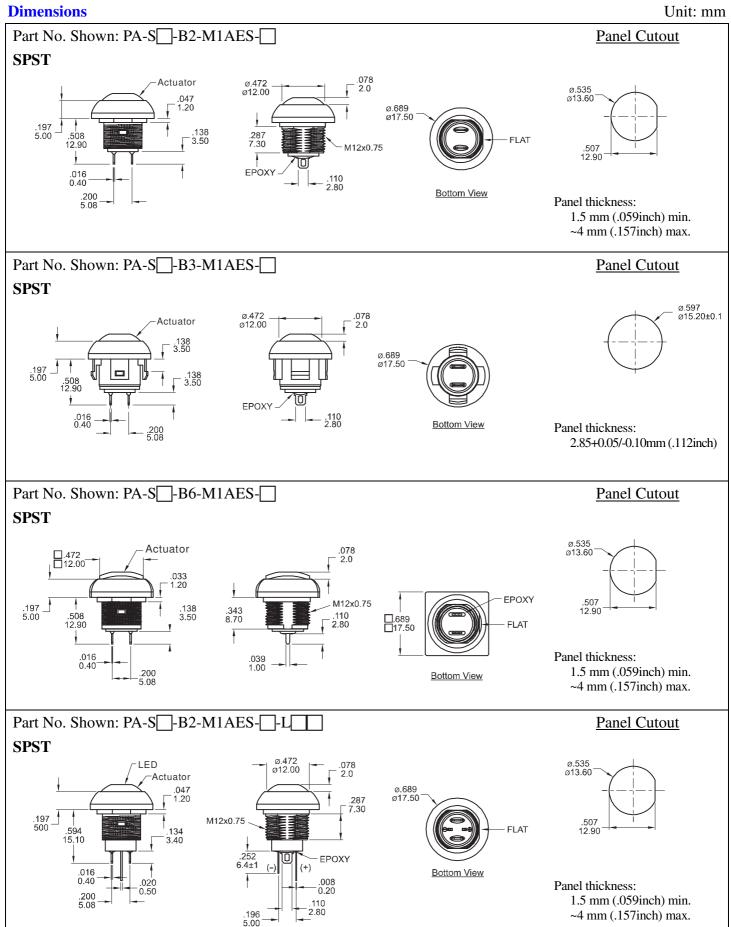
For the latest product information, please visit our website at www.pacer.com.tw or email us at pacer@mail.ece.com.tw

Bottom View

.110 2.80







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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 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 0.015.90 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.