# multicomp

**RoHS** 

Compliant

#### For PAS6 & PAS7 Series



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### Specifications

Max. Current/voltage Rating			
with Resistive Load	: 400mA 32V AC-100mA 50V DC-125mA 125V AC		
	500mA 48V AC - 200mA 50V DC - 200mA 250V AC for metal material		
Initial Contact Resistance	: 50mΩ Max.		
Insulation Resistance	: 1GΩ min. @ 500V DC		
Dielectric Strength	: 1,000 VAC rms.		
	1,500 VAC rms. for metal material		
Electrical Life at Full Load	: 500,000 cycles		
Operating Temperature	: -30°C to 85°C		
Panel Thickness	hickness : B1 series : 0.8mm (0.031") min. ~ 1.8mm (0.071") max.		
	B2 series : 1.5mm (0.059") min. ~ 4mm (0.157") max.		
	B3 series : 3 ±0.25mm (0.118")		
Total Travel	: 1.5mm(0.059")		
Operating Force	: 2N ~ 5N		
Contact Bounce	: 10ms		
Mechanical Life	: 1,000,000 cycles		
Torque	: 0.5Nm max. applied to nut,		
	1.5Nm max. for metal material		
Soldering	: 350°C max. for 5 seconds		
Lead Free			
Materials			
Case	: Diallyl phthalate (DAP) (UL94V-0)		
Сар	: Polyamide 6/6		
Bushing	: Polyamide 6/6		

## **Switch Function**

	Model No.	Switch Function		Connected Terminals		
No. Poles		Pos. 1	Pos. 2	Pos. 1	Pos. 2	Schematic
		1	1	1	1	
SP	PAS6	OFF	МОМ	Open	1-3	
SP	PAS7	ON	OFF(MOM)	1-3	Open	<u> </u>

MOM = Momentary

#### **Bushing Type**



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### **Bushing Plating**





Chromium

Stain-chromium

Stain-nickel

## **Termination Options**





\* Only for PAS6 model type, Non-LED

## **Cap Options**

FLAT STD



ROUND Non-LED \* Only for B1,B2,B3,D2 bushing type



.323 8.20

.200 5.08 .047

\* Only for B2,D2 bushing and PAS6 model type

M3 Solder lug

**Dimensions** 

![](_page_1_Figure_19.jpeg)

Dimensions : Inches (Millimetres)

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![](_page_2_Figure_2.jpeg)

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#### Wire

#### L1 Wire length: 500mm

Multi-wire lead AWG20, section 0.6mm<sup>2</sup>, UL approved. (Black / Green / Red)

![](_page_3_Figure_5.jpeg)

![](_page_3_Figure_6.jpeg)

#### L2 Wire length: 90mm

Multi-wire lead AWG20, section 0.6mm<sup>2</sup>, UL approved. (Black / Green / Red)

![](_page_3_Figure_9.jpeg)

![](_page_3_Figure_10.jpeg)

#### L3 Wire length: 100mm

Multi-wire lead AWG20, section 0.6mm<sup>2</sup>, UL approved. (Black / Green / Red)

![](_page_3_Figure_13.jpeg)

![](_page_3_Figure_14.jpeg)

## Rubber - Hood

Transparent cap

![](_page_3_Picture_17.jpeg)

![](_page_3_Picture_18.jpeg)

![](_page_3_Picture_19.jpeg)

Dimensions : Inches (Millimetres)

## **Soldering Processes**

Manual Soldering

: Use soldering iron of 30 watt, controlled at 350°C approximately 5 seconds while applying solder.

Wave Soldering Recommended Soldering Temperature Duration of Solder Immersion

: 260 ±5°C : Max 5 sec. (PCB is 1.6mm in thickness)

![](_page_3_Figure_26.jpeg)

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![](_page_3_Picture_28.jpeg)

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### For PAL6 Series

![](_page_4_Picture_3.jpeg)

### **Specifications**

Max. Current/Voltage Rating with Resistive Load

Initial Contact Resistance Insulation Resistance Dielectric Strength Electrical Life at Full Load Operating Temperature Panel Thickness Total Travel Operating Force Contact Bounce Mechanical Life Torque Soldering Lead Free

- : 100mA 24V DC-life expectancy 200,000 cycles 2A 125V AC life expectancy 10,000 cycles
- : 50mΩ Max.
- : 1GΩ min. @ 500V DC
- : 1,000 V ACrms
- : 200,000 cycles
- : -30°C to 85°C
- : 1.5mm (0.059") min. ~ 4mm (0.157") max.
- : 2.5mm(0.098")
- : 2N ~ 5N
- : 10ms
- : 1,000,000 cycles
- : 0.5Nm max. applied to nut
- : 350°C max. for 5 seconds

#### **Switch Function**

	Switch Function				
Model	Pos. 1	Pos. 2			
NO.	<b>1</b>	1			
PAL6	OFF	ON			
Term. COMM.	ODEN	1-3			
Schematic	OFEN				

#### Dimensions

![](_page_4_Figure_23.jpeg)

Additional Hardware

- 1. M12 × 0.75 Nuts
- 2. Locking Washer
- 3. O-Ring

#### Wire

#### Multi-wire lead AWG20, section 0.6mm<sup>2</sup>, UL approved. (Black / Green / Red)

![](_page_4_Figure_30.jpeg)

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![](_page_4_Picture_32.jpeg)

#### Part Number Explanation

![](_page_5_Figure_2.jpeg)

 Besides standard color, other colors need to check stocks available.

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![](_page_5_Picture_6.jpeg)

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