

## PP12/PM12 Series Sealed Pushbutton for Harsh Environment

### Features

- Robust design for marine or medical applications
- Double break action contact
- High shock and vibration resistant
- Positive tactile feedback
- Solder and screw terminals
- Meet Mil-PRF-8805 standard
- IP68 rated

### Specifications

Housing Material	Thermoplastic/Anodized aluminum alloy
Button Material	Thermoplastic
Contact Resistance	<50mΩ (Initial)
Dielectric Strength	1000VAC for 1 minute between current carrying parts 2000VAC for 1 minute between non-current carrying parts
Operating Force	~1.7 lbs (7.6N) or ~0.8 lbs (3.6N)
Operating Temperature	-55~+85°C (-67 ~185°F)
Mechanical Life	1 million (operations)
Electrical Life (@28VDC or 115VAC)	Resistive load 5A 25,000 (operations) Inductive load 3A 25,000 (operations)
Degree of Protection	IP68

### Selection Guide:

<b>P</b> P 12 -	<b>1</b> -	<b>1</b>	<b>1</b>	<b>L</b>	<b>1</b> -	<b>G</b>	-	<b>U6</b>	
Housing Material	Body Style	Terminal Style	Contact	Operating Force	Bezel Color	Button Color	Nut Type	Rubber Boot (Optional)	Wire Length
<b>P:</b> Thermoplastic <b>M:</b> Aluminum Alloy	1: Flush Head, Threaded Case 2: Raised Head, Threaded Case 3: Flush Head, Snap-In Case 4: Raised Head, Snap-In Case	1: Solder/Std.	1: 1NO 2: 1NC 3: 1NO/1NC	<b>Blank:</b> Standard L: Low force	1: Silver 2: Black	<b>B:</b> Black <b>G:</b> Green <b>R:</b> Red <b>Y:</b> Yellow <b>O:</b> Orange <b>U:</b> Blue <b>W:</b> White <b>P:</b> Purple <b>A:</b> Gray	<b>Blank:</b> Plastic <b>M:</b> Metal	<b>B:</b> Black <b>G:</b> Green <b>R:</b> Red <b>Y:</b> Yellow <b>O:</b> Orange <b>U:</b> Blue <b>W:</b> White <b>P:</b> Purple <b>A:</b> Gray	<b>Blank:</b> No wire <b>U6:</b> 6 inches <b>F2:</b> 2 feet <b>M05:</b> 0.5 meters

### Pictures and Dimensions:

#### PP12-1-112-G

Dimensions: Ø18.3, Ø11.8, R8.9, R9.1, 4.5, 7.5MAX, 11.4, 2.1, 1.4, M12x1, 3.3, NO

#### PP12-1-112-R-U6

Dimensions: Ø18.3, Ø11.8, R8.9, R9.1, 4.5, 7.2, 7.5MAX, 11.4, 6.6, M12x1, 0.1m

#### PP12-2-112-B

Dimensions: Ø18.3, Ø11.8, R8.9, R9.1, 4.5, 9.8, 7.5MAX, 25, 11.4, 2.1, 1.4, M12x1, 3.3, NO

#### PP12-3-112-B

Dimensions: Ø17.5, Ø11.8, R8.8, R9.1, 4.3, 7, 11.7, 9.2, 3.7, 1.3, 2.1, 1.4

#### PP12-1-112-BB

#### Accessory Dimensions:

Washer: Ø15.2, Ø12.3, 0.6  
Nut: 18.1, 16.7, M12x1, 3  
Gasket: Ø14.8, Ø12.2, 0.4  
Rubber Boot (Optional): R7.8, 3.8, Ø18.3