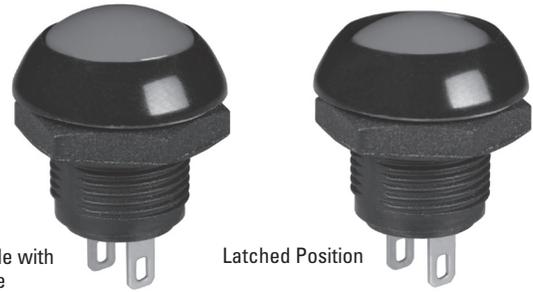SEALED, LATCHING PUSHBUTTON

The P9M pushbutton is a small, sealed, normally open, latching switch, ideal for basic ON/OFF functions. Push the button to latch it into position, push again to unlatch. Flush dome and raised dome button profiles are available in either gloss or matte finish.

The P9M comes with a standard 15/32" threaded case for hex nut mounting and features short behind panel depth. It also offers excellent performance while operating under severe conditions found in demanding applications.

The P9M is a quality precision switch designed for use in control panels, grips, computers, instruments and other applications where attractive, rugged, long life pushbutton switches are required.

Flush Dome
Also available with
Raised Dome

Latched Position

Features:

- **Sealed to IP68S**
- **All plastic housing & button construction**
- **15/32" standard bushing**
- **Flush and raised dome button styles in gloss or matte finish**
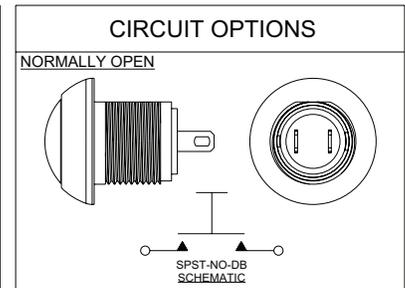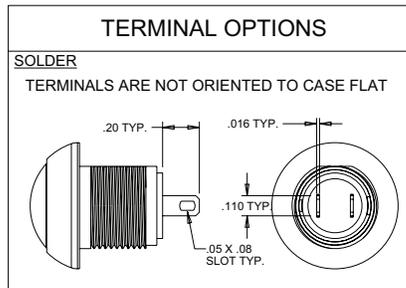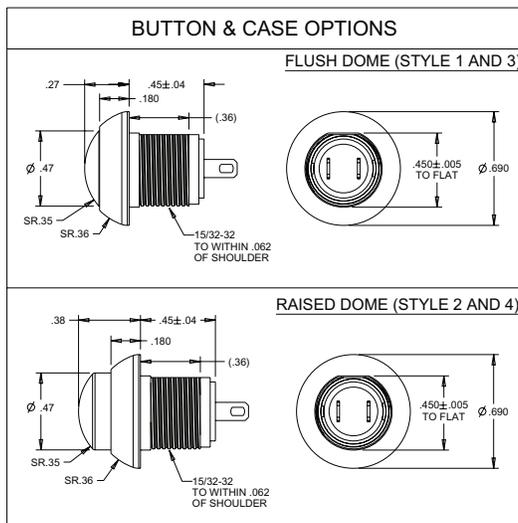- **RoHS compliant**

Standard Characteristics/Ratings:

ELECTRICAL RATINGS:	@ Sea Level		
Load	**Voltage**	**Current**	**Life Cycles**
Resistive	12VDC	4A	200,000
Resistive	48VDC	1A	200,000
Resistive	48VDC	2A	100,000
Resistive	48VDC	3A	75,000
Logic Level	5VDC	10mA	200,000
DWV	1000Vrms		

Electrical Life:	See Rating Chart
Mechanical Life:	200,000 cycles
Seal:	IP68S
Operating Temp Range:	-40°C to +85°C
Operating Force:	12+/-6 ounces
Total Travel:	.071+/-.015 inches
Contact Resistance:	0.050 Ω max. initial
Insulation Resistance:	1 GΩ min. at 500 VDC
MATERIALS:	
Case:	Thermoplastic
Button:	Thermoplastic
Contacts:	Silver with gold
Mounting Hardware:	Hex nut, lockwasher and panel seal

BUTTON & CASE OPTIONS

FLUSH DOME (STYLE 1 AND 3)

.27   .45±.04
       .180
(.36)

Ø .47
.450±.005
TO FLAT   Ø .690
SR.35
SR.36
15/32-32
TO WITHIN .062
OF SHOULDER

RAISED DOME (STYLE 2 AND 4)

.38   .45±.04
       .180
(.36)

Ø .47
.450±.005
TO FLAT   Ø .690
SR.35
SR.36
15/32-32
TO WITHIN .062
OF SHOULDER

TERMINAL OPTIONS

SOLDER
TERMINALS ARE NOT ORIENTED TO CASE FLAT

.20 TYP.   .016 TYP.

.110 TYP.

.05 X .08
SLOT TYP.

CIRCUIT OPTIONS

NORMALLY OPEN

SPST-NO-DB
SCHEMATIC

P9M PART NUMBER CODE

P9M – X   X   X   X   X   X

Button Style	Case Style	Case Finish	Terminal Style	Case Color	Button Color
1. Flush Dome with Standard Gloss Finish	**1.** Threaded 15/32-32	**1.** Gloss Finish	**1.** Solder	**2.** Black	**1.** Red
2. Raised Dome with Standard Gloss Finish		**2.** Matte Finish			**2.** Black
3. Flush Dome with Matte Finish					**3.** Orange
4. Raised Dome with Matte Finish					**4.** Yellow
					5. Green
					6. Blue
					7. Violet
					8. Gray
					9. White

PUSHBUTTON SWITCHES

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[OTTO](#):
  P9M-111122 P9M-111121 P9M-111123 P9M-111124 P9M-111125 P9M-111126 P9M-111129 P9M-N1112 P9M-211126 P9M-412121 P9M-311121 P9M-312122 P9M-312124 P9M-312126 P9M-312128 P9M-312129 P9M-N1111 P9M-211125 P9M-211129 P9M-212121 P9M-212122 P9M-311122 P9M-312121 P9M-112121 P9M-112125 P9M-211121 P9M-211122 P9M-211123 P9M-211124