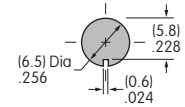
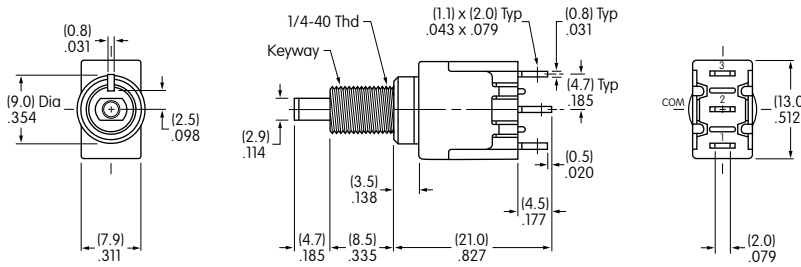


MB2065VA001

Bushing Mount • Single Pole • Solder Lug

Dimensions in mm/inch

PANEL CUTOUT



Panel Thickness:
.134" (3.4mm) Maximum

BASE SWITCH

SPLASHPROOF BOOT

AT4042H
Splashproof Boot

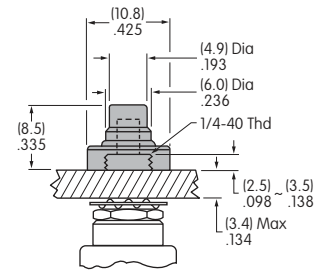


Part Number
MB2065SS1W01/CUL

Color: Black
Material: Silicone rubber
Operating life:
30,000 operations
Sealing: IP65 rated

Installation Instructions

1. Insert switch bushing from back of panel into the cutout hole and adjust height of bushing above the panel to a minimum of .098" (2.5mm) and a maximum of .138" (3.5mm).
2. Screw the boot onto the bushing. Tighten the hexagon nut on the back of panel to complete.

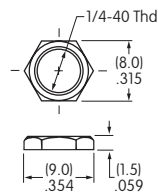


STANDARD HARDWARE

AT513H Hexagon Nut

1 included with each switch

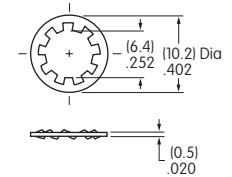
Material:
Brass with Nickel plating



AT509 Lockwasher

1 included with each switch

Material:
Steel with Zinc/Chromate



POLES & CIRCUITS

Pole	Model	Plunger Position		Connected Terminals		Throw & Switch Schematics
		Normal	Down	Normal	Down	
SP	MB2065	ON	ON	2-3	2-1	Note: Terminal numbers are not actually on the switch.

On alternate action models, after transferring circuit, the plunger returns to its original position and does not latch down.

CONTACT MATERIALS & RATINGS

Silver over Silver

Power Level

6A @ 125V AC & 3A @ 250V AC

Base Switch Specifications

Electrical Capacity (Resistive Load)

Power Level (silver): 6A @ 125V AC & 3A @ 250V AC


Other Ratings

Contact Resistance:	10 milliohms maximum
Insulation Resistance:	1,000 megohms minimum @ 500V DC
Dielectric Strength:	1,000V AC minimum between contacts for 1 minute minimum; 1,500V AC minimum between contacts & case for 1 minute minimum
Mechanical Life:	100,000 operations minimum
Electrical Life:	25,000 operations minimum
Nominal Operating Force:	4.41N
Contact Timing:	Slow make, slow break
Plunger Travel:	Pretravel .110" (2.80mm) Overtravel .043" (1.09mm) Total Travel .153" (3.90mm)

Materials & Finishes

Plunger:	Brass with nickel plating
Bushing:	Brass with nickel plating
Frame:	Stainless steel
Case:	Diallyl phthalate resin (UL94V-0)
Movable Contactor:	Phosphor bronze with silver plating
Movable Contacts:	Silver alloy
Stationary Contacts:	Silver with silver plating
Terminals:	Copper or brass with silver plating

Environmental Data

Operating Temperature Range:	-30°C through +85°C (-22°F through +185°F)
Humidity:	90 ~ 95% humidity for 96 hours @ 40°C (104°F)
Vibration:	10 ~ 55Hz with peak-to-peak amplitude of 1.5mm traversing the frequency range and returning in 1 minute; 3 right angled directions for 2 hours
Shock:	50G (490m/s ²) acceleration (tested in 6 right angled directions, with 5 shocks in each direction)
RoHS Compliant:	

Installation

Mounting Torque:	0.7Nm (6.0 lb•in)
Soldering Time & Temperature:	Manual Soldering: 390°C for 4 seconds maximum, 2 cycles
Process Seal:	These devices are not process sealed. Hand clean locally using alcohol based solution.

Standards & Certifications

Flammability Standards:	UL94V-0 case
UL:	File No. E44145 "/CUL" at end of part number for UL recognized switch. Models recognized at 6A @ 125V AC or 3A @ 250V AC.