

**MSP103 Series, 2.5mm Travel, Panel Mount**

**Features**

- MSP series over-travel design (self cleaning contacts) 3A
- MSPS butt contact design 0.5 A
- One piece bushing and sholder designed to reduce tear off
- Mounting hardware supplied, decorative hardware available



**Typical performance characteristics**

Contact configuration . . . . . SPST  
 Contact timing . . . . . Break-Before-Make  
 Contact rating max. . . . . MSP: 3 A @ 125 VAC  
 . . . . . MSPS: 0.5 A @ 125 VAC  
 Electrical life . . . . . 10,000 cycles  
 Contact resistance, initial . . . . . 100 mOhms max.  
 Insulation resistance . . . . . 1,000 mega ohms min.  
 Dielectric strength . . . . . 1,000 Volts rms @ sea level  
 Actuator travel . . . . . .098" (2.5 mm)

**Environmental specification**

Operating temperature . . . . . -20°C to +80°C  
 Storage temperature . . . . . -20°C to +80°C  
 Solder heat resistance . . . . . hand solder 420°C max. 3 seconds max.

**Material specifications**

Contacts . . . . . copper alloy silver plated  
 Actuator (Button) . . . . . thermoplastic  
 Terminals . . . . . copper alloy silver plated  
 Case . . . . . MPS: phenol resin, MSPS: thermoset plastic  
 RoHS Directive 2002/95/EC . . . . . compliant

<b>Product key</b>	Typical product key	<b>MSP</b>	<b>103</b>	<b>B</b>	<b>04</b>
<b>Type</b>	Pushbutton switch, 2.5mm travel, panel mount				
<b>Contact</b>					
<b>103</b>	3 A @125 VAC				
<b>S103</b>	0.5 A @125 VAC				
<b>Action/button color</b>					
<b>B</b>	NC, normally closed, black actuator				
<b>C</b>	NO, normally open, red actuator (contact version 103 only)				
<b>C0</b>	NO, normally open, black actuator				
<b>C2</b>	NO, normally open, red actuator, long bushing				
<b>Material</b>					
<b>04</b>	RoHS compliant		<b>blank</b>	RoHS compliant	

**MSP103 Series, 2.5mm Travel, Panel Mount (Continued)**

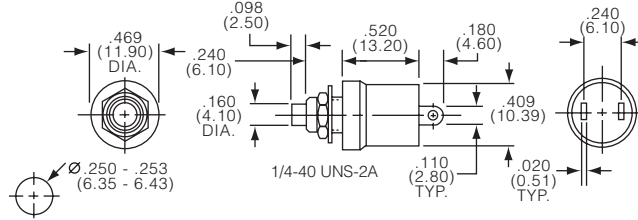
**Contact**



**103 3 A contact**



MSP103B

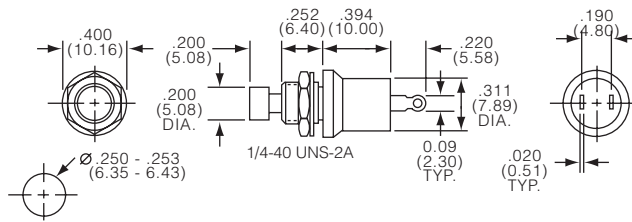


Contact	Action	Bushing len.
103	B	6.00mm (.236)
	C	6.00mm (.236)
	C0	6.00mm (.236)
	C2	9.50mm (.374)

**S103 0.5 A contact**



MSPS103B



Contact	Action	Bushing len.
S103	B	6.22mm (.245)
	C0	6.22mm (.245)
	C2	6.22mm (.245)

Pushbutton Switches

Product key	Contact	Action	Type	Button color	Terminals	Material	Part Number
MSP103B04	3 A	N/C	SPST	black	wire lug	RoHS	1825516-1
MSP103C04	@125 VAC	N/O		red		compliant	1825516-2
MSP103C004				black			1825516-3
MSP103C204				red			1825516-4
MSPS103B	0.5 A	N/C		black			1437568-5
MSPS103C0	@125 VAC	N/O					1437568-7
MSPS103C2				red			1437568-6