RP8100 Series Pushbutton Switch

Specifications

Electrical Rating:
125mA @ 125VAC, 100mA @ 50VDC

Life Expectancy: 500,000 Cycles at full load

Contact Resistance: 50mΩ Max. (initial)

Insulation Resistance: 1,000mΩ Min. @ 50VDC

Dielectric Strength: 1,000VAC rms

Operating Temperature: -30°C to 85°C

Travel: 1.5mm

Contact Arrangement: SPST, Off-(On), Momentary

Actuation Force: 350 gf

Contact Bounce: 10ms MAX

Ingress Protection: IP67

Features & Benefits

• Threaded or snap in panel mount
• 500,000 life expectancy
• LED illumination options
• Sealed to IP67 ratings
• Molded back w/ wire leads (500mm long) optional

Part Number Configurator

Table:

<table>
<thead>
<tr>
<th>Series</th>
<th>Bushing</th>
<th>Termination</th>
<th>Contact Material</th>
<th>Seal</th>
<th>Housing Color</th>
<th>Cap Color</th>
<th>LED Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>RP8100</td>
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<tr>
<td>RP8101*</td>
<td>B1 - Snap In</td>
<td>B2 - Threaded (12 x 0.75)*</td>
<td>M1 - Solder Lug W1 - Molded Back w/Wire Leads 500mm long**</td>
<td>C - Gold Over Silver</td>
<td>E - Epoxy Sealed</td>
<td>BLK - Black</td>
<td>WHT - White</td>
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</tbody>
</table>

NOTES:
*The RP8101 series is only offered with B2 Bushing and is non-illuminated.
**W1 - Molded back w/Wire Leads only available with B2 - Threaded Bushing.

Specifications subject to change without notice 4.21.2022
RP8100 Series Pushbutton Switch

RP8100 w/LED
B1 Bushing

RP8100 w/o LED
B1 Bushing
RP8100 Series Pushbutton Switch

RP8100 w/ LED B2
Bushong Molded Back
w/ Wired Leads

<table>
<thead>
<tr>
<th>TERMINAL</th>
<th>WIRE</th>
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<tbody>
<tr>
<td>1</td>
<td>WIRE, 20 AWG AWM UL3385, BLACK</td>
</tr>
<tr>
<td>2</td>
<td>WIRE, 20 AWG AWM UL3385, BLACK</td>
</tr>
<tr>
<td>3 (-)</td>
<td>WIRE, 20 AWG AWM UL3385, GREEN</td>
</tr>
<tr>
<td>4 (+)</td>
<td>WIRE, 20 AWG AWM UL3385, RED</td>
</tr>
</tbody>
</table>

RP8101 no LED B2

Panel Cutout

Schematic