### Specifications:

- **Max. current/voltage rating with resistive load**: 400mA 32V AC, 100mA 50V DC and 125mA 125V AC
- **Max. initial contact resistance**: 50mΩ
- **Min. insulation resistance**: 1GΩ at 500V DC
- **Dielectric strength**: 1,000V AC rms
- **Electrical life at full load**: 500,000 cycles

### Panel Thickness:

- **-B1 series**: 0.8mm (0.031 inches) min. and 1.8mm (0.071 inches) max.
- **-B2 series**: 1.5mm (0.059 inches) min. and 4mm (0.157 inches) max.
- **Total travel**: 1.5mm (0.59 inches)
- **Operating force**: 2N to 5N
- **Contact bounce**: 10ms
- **Mechanical life**: 1,000,000 cycles
- **Max. torque**: 1.5 Nm applied to nut
- **Max. soldering**: 300°C for 3 seconds

### Switch Function

<table>
<thead>
<tr>
<th>Number Poles</th>
<th>Switch Function</th>
<th>Connected Terminals</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Position 1</td>
<td>Position 2</td>
</tr>
<tr>
<td>SP</td>
<td>OFF</td>
<td>MOM</td>
</tr>
</tbody>
</table>

### Pole Options

- **Features:**
  - Eight plunger colours
  - Flat plunger top allowing marking
  - Antirotation bushing
  - New solder lug terminal

Dimension: Millimetres (Inches)
Miniature Pushbutton Switches

Snap-in Mounting

Panel Thickness: 0.8mm to 1.8mm
Dimension: Inches (Millimetres)

Mounting by Threaded Bushing

Panel Thickness: 1.5mm to 4mm
Dimension: Inches (Millimetres)

Soldering Processes:
- Manual soldering: Use soldering iron of 30 watts, controlled at 350°C approximately 5 seconds while applying solder
- Wave soldering: Recommended soldering temperature: 260 ±5°C Duration of solder Immersion: 5 ±1 seconds (PCB is 1.6 mm in thickness)
- Soldering: Vapor phase
Temperature Profile

<table>
<thead>
<tr>
<th>Zone</th>
<th>Room Temperature (°C)</th>
<th>Time (Seconds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-heat (A)</td>
<td>150</td>
<td>Minimum 120s</td>
</tr>
<tr>
<td>Soak (B)</td>
<td>180 to 200</td>
<td>Minimum 150s</td>
</tr>
<tr>
<td>Peak (C)</td>
<td>200 to 235</td>
<td>Minimum 30s</td>
</tr>
<tr>
<td>Peak (D)</td>
<td>235 to 260</td>
<td>Minimum 40s</td>
</tr>
<tr>
<td>Peak (E)</td>
<td>260</td>
<td>Maximum 10s</td>
</tr>
</tbody>
</table>

Part Number Table

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Switch, Push Button, SPST, IP67, Black</td>
<td>MCPAS6B2M1CE2</td>
</tr>
</tbody>
</table>

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