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FR - Pour connaître les tarifs et la disponibilité dans votre pays, cliquez sur l'un des liens suivants:

2MD2T2B2M2RE

EN This Datasheet is presented by the manufacturer

DE Dieses Datenblatt wird vom Hersteller bereitgestellt

FR Cette fiche technique est présentée par le fabricant
Specifications:

- **Contact Rating**: 0.4 volt-amps (VA) maximum at 20V maximum (AC or DC).
- **Mechanical Life**: 30,000 make-and-break cycles.
- **Contact Resistance**: 20mΩ maximum initial at 2 to 4V dc.
  - 100mA for both silver and gold plated contacts.
- **Minimum Insulation Resistance**: 1,000MΩ.
- **Dielectric Strength**: 1,000VRMS at sea level.
- **Operating Temperature**: -30°C to 85°C.

Materials:
- **Case and Bushing**: Diallyl phthalate (DAP).
- **Actuator**: Brass, chrome plated.
- **Bushing**: Brass, nickel plated.
- **Housing**: Stainless steel.
- **Switch Support**: Brass, tin plated.
- **Terminals/Contact**: Brass, with gold plated.

Pole Option

**M2RE**

**SPDT**

Dimensions: Millimetres (Inches)
Soldering Process:

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 1.6mm in thickness).

Soldering: Vapour 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°C</td>
<td>Minimum 120</td>
</tr>
<tr>
<td>Soak (B)</td>
<td>180°C to 200°C</td>
<td>Minimum 150</td>
</tr>
<tr>
<td>Peak (C)</td>
<td>200°C to 235°C</td>
<td>Minimum 30</td>
</tr>
<tr>
<td>Peak (D)</td>
<td>235°C to 260°C</td>
<td>Minimum 40</td>
</tr>
<tr>
<td>Peak (E)</td>
<td>260°C</td>
<td>Maximum 10</td>
</tr>
</tbody>
</table>

**Specifications**

<table>
<thead>
<tr>
<th>Number of Poles</th>
<th>Switch Function</th>
<th>Connected Terminals/Schematic</th>
<th>Model Number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Position 1</td>
<td>Position 2</td>
<td>Position 3</td>
</tr>
<tr>
<td>SP On Mom</td>
<td>None On</td>
<td>Mom</td>
<td>2 - 3</td>
</tr>
<tr>
<td>SP On Mom</td>
<td>Off On</td>
<td>Mom</td>
<td>1 - 2</td>
</tr>
<tr>
<td>SP On Mom</td>
<td>Off On</td>
<td>Mom</td>
<td>Open</td>
</tr>
<tr>
<td>SP On Mom</td>
<td>Off On</td>
<td>Mom</td>
<td>2 - 3</td>
</tr>
<tr>
<td>SP On Mom</td>
<td>Off On</td>
<td>Mom</td>
<td>2 - 3</td>
</tr>
</tbody>
</table>

**SP On DP**

Mom = Momentary
## Specification Table

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Switch, Toggle, SPDT, Vertical, Mom-Off-Mom</td>
<td>2MS4T2B2M2RE</td>
</tr>
<tr>
<td>Switch, Toggle, SPDT, Vertical, On-Off-Mom</td>
<td>2MS5T2B2M2RE</td>
</tr>
<tr>
<td>Switch, Toggle, DPDT, Vertical, On-Mom</td>
<td>2MD2T2B2M2RE</td>
</tr>
<tr>
<td>Switch, Toggle, DPDT, Vertical, On-On-On</td>
<td>2MD6T2B2M2RE</td>
</tr>
<tr>
<td>Switch, Toggle, SPDT, Horizontal R/A, On-Mom</td>
<td>2MS2T2B2M6RE</td>
</tr>
<tr>
<td>Switch, Toggle, SPDT, Horizontal R/A, Mom-Off-Mom</td>
<td>2MS5T2B2M6RE</td>
</tr>
<tr>
<td>Switch, Toggle, DPDT, Horizontal R/A, On-Mom</td>
<td>2MD2T2B2M6RE</td>
</tr>
<tr>
<td>Switch, Toggle, DPDT, Horizontal R/A, On-On-On</td>
<td>2MD6T2B2M6RE</td>
</tr>
<tr>
<td>Switch, Toggle, SPDT, Vertical R/A, On-Mom</td>
<td>2MS2T2B2M7RE</td>
</tr>
<tr>
<td>Switch, Toggle, SPDT, Vertical R/A, On-On</td>
<td>2MS1T2B2M7RE</td>
</tr>
<tr>
<td>Switch, Toggle, SPDT, Vertical R/A, Mom-Off-Mom</td>
<td>2MS4T2B2M7RE</td>
</tr>
<tr>
<td>Switch, Toggle, SPDT, Vertical R/A, On-Off-On</td>
<td>2MS3T2B2M7RE</td>
</tr>
<tr>
<td>Switch, Toggle, SPDT, Vertical R/A, On-Off-Mom</td>
<td>2MS5T2B2M7RE</td>
</tr>
<tr>
<td>Switch, Toggle, DPDT, Vertical R/A, On-Mom</td>
<td>2MD2T2B2M7RE</td>
</tr>
<tr>
<td>Switch, Toggle, DPDT, Vertical R/A, On-On</td>
<td>2MD1T2B2M7RE</td>
</tr>
<tr>
<td>Switch, Toggle, DPDT, Vertical R/A, On-Off-On</td>
<td>2MD3T2B2M7RE</td>
</tr>
<tr>
<td>Switch, Toggle, DPDT, Vertical R/A, On-Off-On</td>
<td>2MD6T2B2M7RE</td>
</tr>
<tr>
<td>Switch, Toggle, SPDT, Vertical Threaded, On-Mom</td>
<td>2MS2T1B5M2RE</td>
</tr>
<tr>
<td>Switch, Toggle, SPDT, Vertical Threaded, Mom-Off-Mom</td>
<td>2MS4T1B5M2RE</td>
</tr>
<tr>
<td>Switch, Toggle, SPDT, Vertical Threaded, On-Off-Mom</td>
<td>2MS5T1B5M2RE</td>
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<td>Switch, Toggle, DPDT, Vertical Threaded, On-On-On</td>
<td>2MD6T1B5M2RE</td>
</tr>
</tbody>
</table>
Part Number Explanation:

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Actuator</th>
<th>Bushing</th>
<th>Terminations</th>
<th>Contact Material</th>
<th>Seal</th>
<th>RoHS Compliant</th>
</tr>
</thead>
<tbody>
<tr>
<td>2MS4</td>
<td>T2</td>
<td>B2</td>
<td>M2</td>
<td>R</td>
<td>E</td>
<td></td>
</tr>
</tbody>
</table>

Model Number: 2MS1 = SP On-None-On, 2MS2 = SP On-None-Mom, 2MS3 = SP On-Off-On, 2MS4 = SP Mom-Off-Mom, 2MS5 = SP On-Off-Mom, 2MD1 = DP On-None-On, 2MD2 = DP On-None-Mom, 2MD3 = DP On-Off-On and 2MD6 = DP On-On-On.

Actuator: T1 = 9.40 High and T2 = 5.33 High.

Bushing: B2 = 5.59 High, Flat (Non-thd) and B5 = 7.87 High, Flat (thd).

Terminations: M2 = PVC Through Hole, M6 = Right Angle, PVC Through Hole and M7 = Vertical Right Angle, PVC Through Hole.

Contact Material: R = Gold.

Seal: E = Epoxy (STD).
Notes:

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