Positive Action Switch
BVM3-Series

BVM3 Series
Miniature safety interlock switch for use in domestic and industrial applications where there is a clean, dry environment. The mounting holes on the switches comply with the required international standard for miniature switches which makes them ideal replacements for snap-action switches in applications requiring positive action switching.

All models feature a contact gap of >3 mm at full travel.

BVM3FY

Burgess
Specifications

Table:

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Resistive Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>VAC</td>
<td>A</td>
</tr>
</tbody>
</table>

max.

250

10

Housing:
Glass fibre reinforced Polyamide (PA 6.6)

Plunger:
Polyamide (PA 6.6)

Lid:
Polycarbonate (PC)

Mechanism:
Single break positive action
> 3 mm contact gap

Contacts:
Fixed – fine silver
Moving – Silver cadmium oxide

Terminals:
6.3 mm (0.25 in) faston

Temperature Range:
−10°C to + 65°C

Mechanical life:
10⁶ cycles minimum

Type of protection:
IP40

Mounting:
Side mounting

Actuators:
Stainless steel lever
Polyamide (PA 6.6) roller

Approvals:
CSA, UL

Circuit diagram BVM3

[Diagram showing normally closed contact]
## Product Range
### Operating Characteristics

<table>
<thead>
<tr>
<th>Actuator</th>
<th>Reference</th>
<th>Actuating Force at Contact Max. N (ozf)</th>
<th>Force at Total Travel Maximum N (ozf)</th>
<th>Free Position Maximum mm (in)</th>
<th>Minimum Gap at Total Travel mm (in)</th>
<th>Over Travel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plunger</td>
<td>BVM3F</td>
<td>4.5 (16.2)</td>
<td>4.8 (17.3)</td>
<td>15.8 (0.62)</td>
<td>3.0 (0.12)</td>
<td></td>
</tr>
<tr>
<td>Y-Lever</td>
<td>BVM3FY</td>
<td>4.5 (16.2)</td>
<td>4.8 (17.3)</td>
<td>16.8 (0.66)</td>
<td>3.0 (0.12)</td>
<td></td>
</tr>
<tr>
<td>YR-Lever</td>
<td>BVM3FYR</td>
<td>5.0 (18.0)</td>
<td>5.5 (19.8)</td>
<td>22.35 (0.88)</td>
<td>3.0 (0.12)</td>
<td></td>
</tr>
</tbody>
</table>

Operating characteristics are specified from the mounting holes.
## Ordering References

<table>
<thead>
<tr>
<th>Actuators</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>No symbol</td>
<td>Plunger</td>
<td></td>
</tr>
<tr>
<td>Y lever</td>
<td>13.7 mm (0.54)</td>
<td></td>
</tr>
<tr>
<td>YR Roller lever</td>
<td>11.7 mm (0.46)</td>
<td></td>
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</tbody>
</table>