SEALED PLUNGER SWITCHES
Model Series 6403

- Sealed to Ingress IP67
- One or two independent electrical circuits
- Blue housing for quick identification
- Mounting Type—Quick Installation
- Easy to design into your application
- RoHS, REACH and Conflict Mineral compliant

OPERATION

Delta Systems’ Sealed Plunger Switches are sealed to IP67, both plunger and terminal sides. These switches have the same form, fit and function as their unsealed counterparts. 6403 Series are designed where high reliability is required in a harsh environment application.

ELECTRICAL SPECIFICATIONS

Cycles: Resistive: 75,000, Inductive: 10,000
Operating Voltage: Range: 9-16V\text{DC}
Operating Current: 3 Amps
Pre-travel, inches: .040-.150
Static Force @ 0.48” Travel 8.1+/-.3 lb.

ENVIRONMENTAL RATINGS

<table>
<thead>
<tr>
<th>Exposure</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ingress Protection</td>
<td>IEC IP67</td>
</tr>
<tr>
<td>Operating Temperature Range</td>
<td>-30 °C to 65 °C</td>
</tr>
<tr>
<td>Chemical Resistance</td>
<td>EP455-5.8 Brush, Gasoline, Diesel Fuel, Hydraulic Oil, Engine Oil, 10% DEET Bug Repellent, Salt Water Solution, Wax, Sunscreen, Insect Killer, Weed Killer, Liquid Fertilizer, Bleach Disinfectant Spray, Mole Repellent, Bleach, Ammonia, Isopropyl Alcohol, Degreaser, Battery Acid</td>
</tr>
</tbody>
</table>
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AVAILABLE CONFIGURATIONS

<table>
<thead>
<tr>
<th>Product Line</th>
<th>Part Number</th>
<th>Electrical Configuration</th>
<th>Mounting Type</th>
<th>Mating Connector</th>
<th>Environmental Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plungers – Sealed</td>
<td>6403-82</td>
<td>NO</td>
<td>Snap In</td>
<td>Packard 56 Series Female</td>
<td>IP67</td>
</tr>
<tr>
<td>Plungers – Sealed</td>
<td>6403-84</td>
<td>NO/NC</td>
<td>Snap In</td>
<td>Packard 56 Series Female</td>
<td>IP67</td>
</tr>
</tbody>
</table>

DIMENSIONS

Note: Please refer to the Application print

RECOMMENDED MOUNTING

RECOMMENDED MOUNTING SLOT SWITCH WILL ACCEPT .108 & .170 PANEL THICKNESSES INCLUDING PAINT, DECALS, ETC

*SQUARE EDGE REQUIRED ON WING RETENTION SIDE OF SLOT

PANEL THICKNESS

Panel Thickness: 0.108" and 0.170" including paint, decals, etc.

Note: Life expectancy and switch performance are largely dependent on application. It is the user’s responsibility to determine suitability of this product for the application. This information is intended as a guide for proper application.