Multiple Level Switch LS-800E-PVC (1...4 switch points)

Max. contact loads of the reed switch: SPST 100 VA; 3 A; 250 VAC (NC/NO).
SPDT 20 VA; 0.5 A; 250 VAC (Change-over contact).
The data NC/NO are defined for: an empty tank / rising level.

Specifications

<table>
<thead>
<tr>
<th>Materials</th>
<th>PVC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stem</td>
<td>PVC</td>
</tr>
<tr>
<td>Mounting elements</td>
<td>PVC</td>
</tr>
<tr>
<td>Float</td>
<td>PVC</td>
</tr>
</tbody>
</table>

| Electrical connection | Terminal Box (ABS) 6 pole
Pg 9 cable gland with 1m PVC-cable (0.34/0.25mm²) |
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Operating pressure</td>
<td>1.0 bar</td>
</tr>
<tr>
<td>Temperature</td>
<td>-20°C ... +60°C</td>
</tr>
<tr>
<td>Min. specific gravity of the liquid</td>
<td>0.75 g/cm³</td>
</tr>
<tr>
<td>Depth of immersion at a density of 1</td>
<td>~22mm</td>
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<tr>
<td>Protection rating</td>
<td>IP65</td>
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</tbody>
</table>

Mounting Direction

Tank top: O
Bottom: U

Electrical Connection

Switching groups PVC model

Group 1, max 4 switch points, NC/NO
- L4: white
- L3: grey
- L2: yellow
- L1: green

Group 2, max 3 switch points, NC/NO
- L3: brown
- L2: yellow
- L1: pink

Group 3, max 2 switch points, (SPDT)
- L2: grey
- L1: yellow

Group 4, max 2 switch points, (SPDT)
- L2: grey
- L1: pink
LS-800E-PVC Multiple Level Switch check list

(Please copy and use as order form)

Customer: ___________________________ 
Order no.: ___________________________ Quantity: ___________________________

Application specific data:  
(Please complete fully and accurately)

1. Medium ___________________________
2. Pressure (bar): Min _______________ Max _______________
3. Temperature (°C): Min _______________ Max _______________
4. Specific gravity (g/cm3): Min _______________ Max _______________
5. Viscosity (SSU): ___________________________
6. Tank: Material ___________________________ Depth ___________________________
7. Connection periphery (eg relay, PLC,.....): ___________________________

Order data

1. Mounting direction: Through tank top □ O
Through tank bottom □ U
2. Electrical connection:
Pg9 cable and gland (standard length: 1m) □ P
Terminal box 6-poles (ABS) □ K6
3. Switching:
Group 1 □ 1
Group 2 □ 2
Group 3 □ 3
Group 4 □ 4

Level Dimensions

(Tolerance ±3mm) related to the mid of float

<table>
<thead>
<tr>
<th>Distance level</th>
<th>NO group 1</th>
<th>NC group 1</th>
<th>NO group 2</th>
<th>NC group 2</th>
<th>SPDT group 3</th>
<th>SPDT group 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>L1</td>
<td></td>
<td></td>
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<tr>
<td>L2</td>
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<td>L3</td>
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<tr>
<td>L4</td>
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<tr>
<td>LD</td>
<td>±2mm</td>
<td>max 2000 mm</td>
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Dimensions PVC Model

A = 58mm min. distance to upper switch point
B = 50mm min. distance stem end to lowest switch point
C = 75mm min. distance between two switch points
D = 7mm min. distance between two switch points actuated by one float

Reference edge (Sealing Face)

Dual-action:
One float actuates two switch points (max distance=D).