Note: Check the chemical compatibility of the sensor’s wetted parts with the medium to be measured.

### Operating Voltage
9.6 to 32 VDC

### Connection Pin Material
Gold-plated

### Output Maximum Load Current
500 mA - See Setting and Operation Guide on following page.

### Current Consumption
< 25 mA

### Switching Frequency
100 Hz

### Setting Accuracy of Switch Points
< ± 2.5% of full range (limit point calibration)

### Repeatability
< ± 0.5% of full range

### Temperature Drift
< ± 0.5%, of full temperature range/10 K; 32 to 176°F (0 to 80°C)

### Housing Material
PBT (Pocan); PC (Makrolon); FPM (Viton); stainless steel (316S12)

### Materials (wetted parts)
Stainless steel (316S12)

### Operating Temperature
–13 to 176°F (–25 to 80°C)

### Medium Temperature
–13 to 176°F (–25 to 80°C)

### Storage Temperature
–40 to 212°F (–40 to 100°C)

### Protection
IP 67

### Protection Class
Class III

### Insulation Resistance
> 100 MΩ (500 VDC)

### Shock Resistance
50g (DIN / IEC 68-2-27, 11ms)

### Vibration Resistance
20g (DIN / IEC 68-2-6, 10 - 2000 Hz)

### EMC
EN 61000-4-2 ESD
4 kV/8 kV AD

EN 61000-4-3 HF Radiated
10 V/m

EN 61000-4-4 Burst
2 kV

EN 61000-4-6 HF Conducted
10 V

### Applications (Type of Pressure: Relative Pressure, Liquids and Gases)

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Setpoint Scale</th>
<th>Resetpoint Scale</th>
<th>Permissible Overload Pressure</th>
<th>Bursting Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSD25-0P-5800H</td>
<td>20 to 400 (290 to 5800)</td>
<td>12 to 392 (175 to 5685)</td>
<td>600 (8700)</td>
<td>1600 (23200)</td>
</tr>
<tr>
<td>PSD25-0P-1450H</td>
<td>5 to 100 (75 to 1450)</td>
<td>3 to 98 (50 to 1420)</td>
<td>200 (2900)</td>
<td>1000 (14500)</td>
</tr>
<tr>
<td>PSD25-0P-0145H</td>
<td>0.5 to 10 (7.5 to 145)</td>
<td>0.3 to 9.8 (5 to 142)</td>
<td>25 (362)</td>
<td>300 (4350)</td>
</tr>
</tbody>
</table>

Note: Full vacuum permissible

### Warning!
Avoid static and dynamic overpressure exceeding the given overload pressure. Exceeding the bursting pressure for even a short time can cause destruction of the unit and possible injuries!
PSD25 Series Pressure Switches

Switch Dimensions

Switch Cover Dimensions

PSD25 Wiring Diagrams

Cable Assembly Wiring Colors:
- Pin 1 - Brown
- Pin 2 - White
- Pin 3 - Blue
- Pin 4 - Black

Note: tightening torque 25 Nm (18.4 lb-ft)

Dimensions shown mm [inches]

See our website www.AutomationDirect.com for complete Engineering drawings.

Setting and Operation

1. locking ring
2. setting rings (manually adjustable after unlocking)
3. LED green: supply voltage O. K.
4. process connection ¼ " NPT; tightening torque 25 Nm
5. setting marks
6. LED yellow: Set value reached, OUT1 = ON / OUT2 = OFF
7. internal thread M5
   - Minimum distance between Set and Reset = 2% of the final value of the measuring range.
   - To obtain the setting accuracy: Set both rings to the minimum value, then set the requested values.