Pressure Switch
Type: PSB3

Applications
Hydraulics and mobile hydraulics.
Pneumatics.
Heavy Duty machinery.
All compressed air, liquids or gases.

Technical Data
- Mechanical Connection: 1/4" BSP(F)
- Reproducibility: ±1% of adjusted pressure.
- Working Temperature: -20°C...+110°C [-4°F...+230°F]
- Vibration Test (DIN EN 60068-2-27): 20g (Test Time 30 min)
- Shock Test (DIN EN 60068-2-27:1993): 30g
- Working Cycle: 5,000,000 cycles
- Viscosity: Between 10 ... 800 mm²/sec

Description
PSB3 pressure switch opens or closes electrical circuit depending on pressure is dropping or rising. Working Pressure, 7 bar to 600 bar [101.5 to 8702 psi], can be set by pressure setting knob on the pressure switch. When you turn the setting knob to clockwise, pressure rises up. It works appropriately under shock and high pressures. The knob makes it easy and convenient for setting the pressure while the system is working. PSB3 series pressure switches are employed wherever compressed air, fluids, gases are used and a precisely set hysteresis is needed. The pressure switch has horizontal stacking connection holes for mounting. It has mounting design for all axes. They are classified depending on pressure setting ranges.

Features
- PSB3 Pressure Switches are settable using the setting knob on the pressure unit.
- It has Aluminum case.
- It has sealing ring NBR equipment.
- Long service life due to high-quality micro switch.
- High vibration, shock resistance.
- The pressure switch has G1/4 gland mechanical connection type.
- It has pressure setting scale to set conveniently.

Dimensions

Technical specifications subject to change.
PSB3 - 070 - G02F - A - P - COD-A

1 Series Pressure Switch - Block type - Threaded with External setting knob = PSB3

2 Pressure Range

<table>
<thead>
<tr>
<th>Pressure Setting Range</th>
<th>Max. Set Pressure</th>
<th>Max. System Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 to 70 bar [101.5 to 1015 psi]</td>
<td>70 bar [1015 psi]</td>
<td>650 bar [9427 psi]</td>
</tr>
<tr>
<td>20 to 160 bar [290.1 to 2321 psi]</td>
<td>290.1 bar</td>
<td>4351 psi</td>
</tr>
<tr>
<td>20 to 300 bar [290.1 to 4351 psi]</td>
<td>290.1 bar</td>
<td>4351 psi</td>
</tr>
<tr>
<td>20 to 400 bar [290.1 to 5802 psi]</td>
<td>290.1 bar</td>
<td>5802 psi</td>
</tr>
<tr>
<td>50 to 600 bar [725.2 to 8702 psi]</td>
<td>725.2 bar</td>
<td>8702 psi</td>
</tr>
<tr>
<td>Pmax=650 bar [9427 psi]</td>
<td>600 bar</td>
<td>10875 psi</td>
</tr>
</tbody>
</table>

3 Connection

| Connection | Threaded - 1/4" BSP(F) |

4 Body

<table>
<thead>
<tr>
<th>Body</th>
<th>Aluminium</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>(standard)</td>
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</tbody>
</table>

5 Sealing

<table>
<thead>
<tr>
<th>Sealing</th>
<th>NBR/Nitrile</th>
</tr>
</thead>
<tbody>
<tr>
<td>P</td>
<td>(standard)</td>
</tr>
</tbody>
</table>

6 Electrical Connection

<table>
<thead>
<tr>
<th>Electrical Connection</th>
<th>Change-Over - with DIN Socket - Form A</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>COD-A (standard)</td>
</tr>
</tbody>
</table>

* Before ordering, check for availability.

Electrical Connection

Switch Function:
Terminal 1-2: It has current in case of pressure decrease or no pressure (NC)
Terminal 1-3: It has current in case of pressure increases (NO)

Pressure Setting Range

- 20-160 bar [290.1 to 2321 psi]
- 20-300 bar [290.1 to 4351 psi]
- 20-400 bar [290.1 to 5802 psi]
- 50-600 bar [725.2 to 8702 psi]
- 70 to 70 bar [101.5 to 1015 psi]

Notes

These values are maximum values and can not be used at the same time.
For use in aggressive chemicals / fluids contact us.
Cleerances as per standards of Hydraulic oils (fluids) to be strickly followed.
For effective & long working life of pressure switches it is advised to use proper filtration in the system.
Please avoid using out of range values to have a long service from pressure switch.

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