

### 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 mm <sup>2</sup> /sec
Manometer	: Ø63 - glycerine filled.



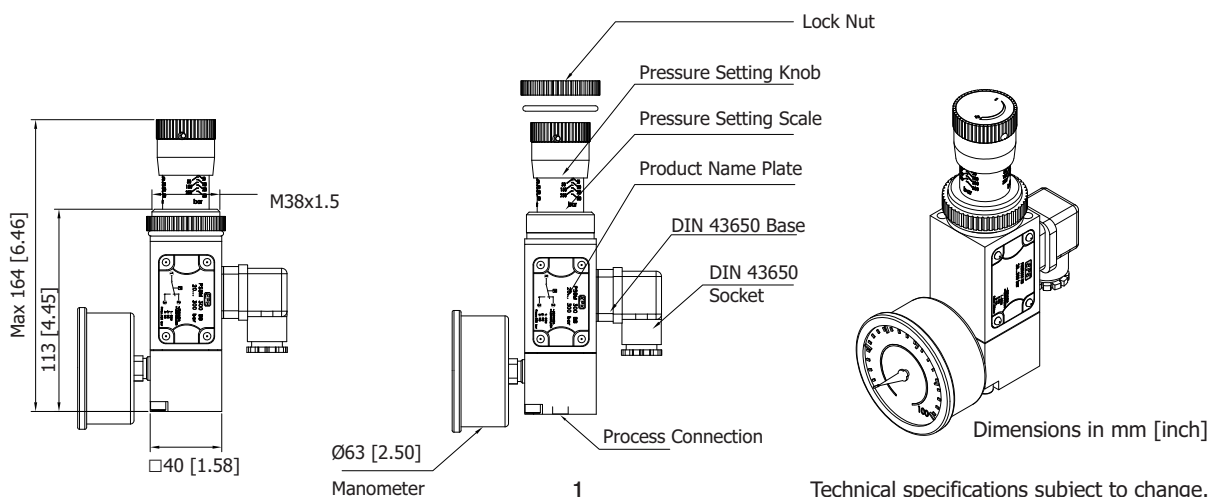
### Description

PSBM 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. PSBM 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

- PSBM 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.
- System pressure can be followed instantly due to manometer.
- The pressure switch has G1/4 gland mechanical connection type.
- It has pressure setting scale to set conveniently.

### Dimensions



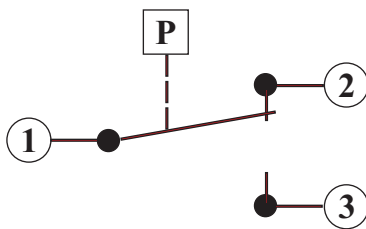
# Ordering Code

1      2      3      4      5      6  
**PSBM - 070 - G02F - A - P - COD-A**

1	<b>Series</b>	Pressure Switch - Block type - Threaded with External setting knob - with Gauge	<b>= PSBM</b>
2	<b>Pressure Range</b>	7 to 70 bar [101.5 to 1015 psi] 20 to 160 bar [290.1 to 2321 psi] 20 to 300 bar [290.1 to 4351 psi] 20 to 400 bar [290.1 to 5802 psi] 50 to 600 bar [725.2 to 8702 psi]	<b>= 070</b> Manometer pressure Pmax 100 bar [1450 psi] <b>= 160</b> 250 bar [3625 psi] <b>= 300</b> 400 bar [5802 psi] <b>= 400</b> 600 bar [8702 psi] <b>= 600</b> 600 bar [8702 psi]
3	<b>Connection</b>	Threaded - 1/4" BSP(F)	<b>= G02F</b> (standard)
4	<b>Body</b>	Aluminium	<b>= A</b> (standard)
5	<b>Sealing</b>	NBR/Nitrile	<b>= P</b> (standard)
6	<b>Electrical Connection</b>	Change-Over - with DIN Socket - Form A	<b>= COD-A</b> (standard)

\* Before ordering, check for availability.

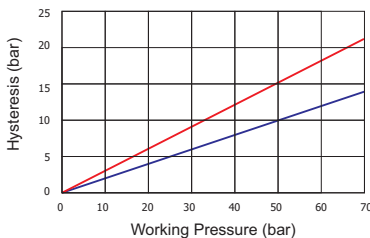
## Electrical Connection



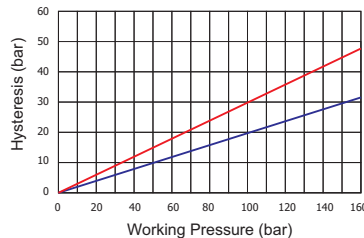
Switch Function:  
 Terminal 1-2: It has current in case of pressure decrease or no pressure (NC)  
 Terminal 1-3: It has current in case of pressure increases (NO)

## Pressure Difference Variation Graphs

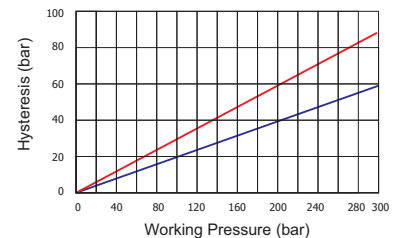
Pressure Setting Range : 7-70 bar [101.5 to 1015 psi]  
 Max. Set Pressure : 70 bar [1015 psi]  
 Max. System Pressure : 100 bar [1450 psi]



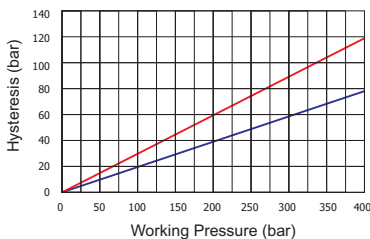
Pressure Setting Range : 20-160 bar [290.1 to 2321 psi]  
 Max. Set Pressure : 160 bar [2321 psi]  
 Max. System Pressure : 250 bar [3625 psi]



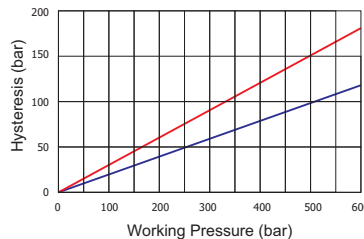
Pressure Setting Range : 20-300 bar [290.1 to 4351 psi]  
 Max. Set Pressure : 300 bar [4351 psi]  
 Max. System Pressure : 400 bar [5802 psi]



Pressure Setting Range : 20-400 bar [290.1 to 5802 psi]  
 Max. Set Pressure : 400 bar [5802 psi]  
 Max. System Pressure : 600 bar [8702 psi]



Pressure Setting Range : 50-600 bar [725.2 to 8702 psi]  
 Max. Set Pressure : 600 bar [8702 psi]  
 Max. System Pressure : 600 bar [8702 psi]



### Notes

These values are maximum values and can not be used at the same time.  
 For use in aggressive chemicals / fluids contact us.  
 Clearances as per standards of Hydraulic oils (fluids) to be strictly 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.