

Compact Pressure Switch

Series 9000

Features

- ▶ Compact design as compared to Series 8000
- ▶ Long pressure spring (enhanced adjustment)
- ▶ Captive set screw
- ▶ Standard DIN 43650 electrical connector
- ▶ NEMA 4 / IP65

Applications

- ▶ OEM applications
- ▶ Hydraulic power units
- ▶ Test equipment
- ▶ Heavy industry
- ▶ Mobile and stationary hydraulics
- ▶ Press Equipment



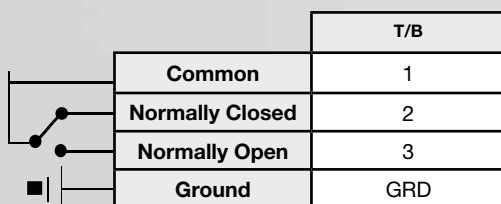
General Specifications*

| | |
|---|---|
| Repeatability: | ±2% (typical) |
| Microswitch: Type: Rating: | SPDT contact Silver contacts: 10A @ 250 VAC 6A @ 24 VDC |
| Switching Frequency: | Max. 60/min. |
| Wetted Parts: Dynamic Seal: | Buna-N (NBR) Viton® (FKM) EPDM (EPR) |
| Fitting: Piston: | Stainless Steel / Aluminum Steel |
| Electrical Connection: | DIN 43650 (EN 175301-8013-A plug) |
| Adjustment Ranges: | 90 to 5800 psi (6 to 400 bar) |
| Ambient Temperature Range: Storage: Ambient/Media: | -40 °F to +176 °F (-40 °C to +80 °C) -4 °F to +176 °F (-20 °C to +80 °C) |

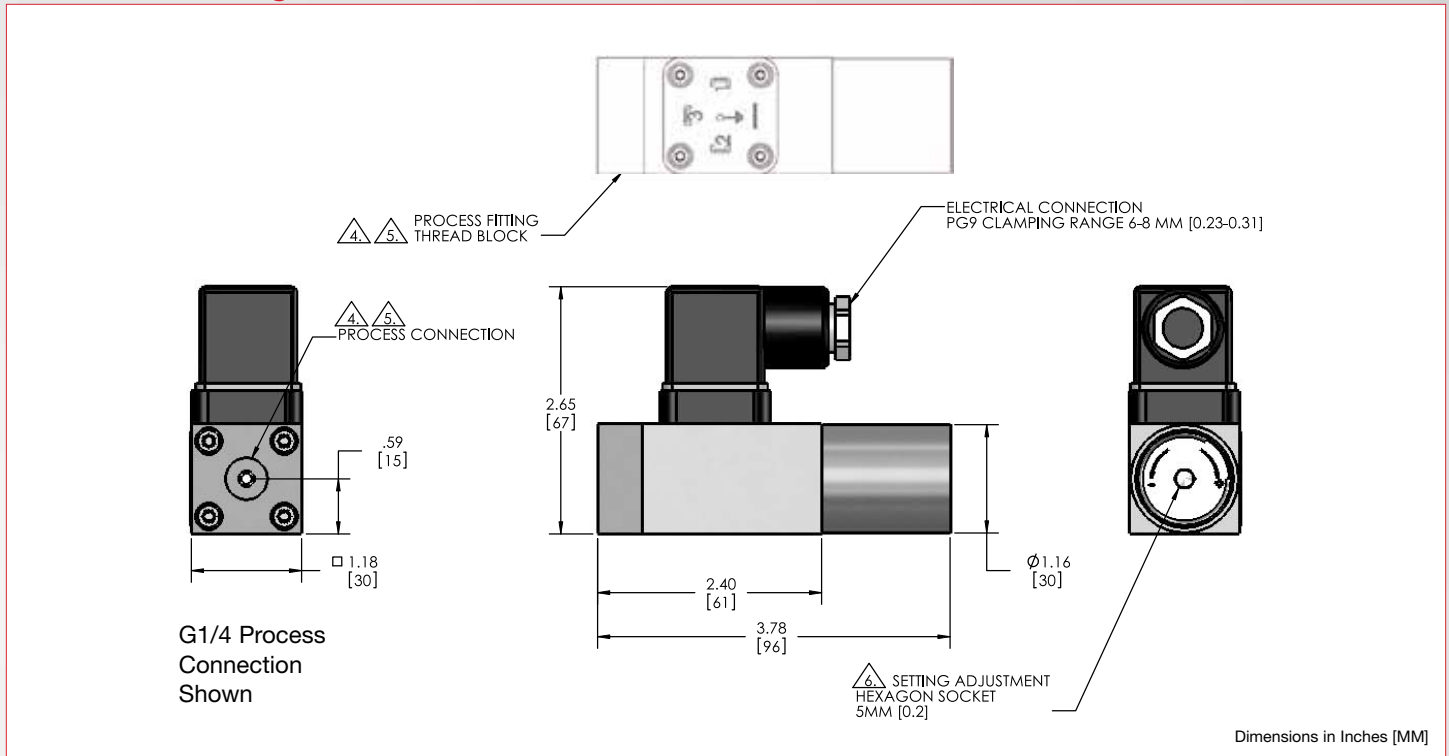
| | |
|---|---|
| Enclosure Rating: | IP65 / NEMA 4 |
| Material: Housing: Electrical plug: Adjustment screw: | Standard: Aluminum Optional: Stainless steel (1.4305) / AISI 303, Version - VA Polyamide Standard: Aluminum Optional: Stainless steel, 1.4305 / AISI 303 (SW5), captive |
| Process Connection (female): | 1/4" NPT; G1/4 7/16 - 20 UNF SAE 4 |
| Adjustment Instructions: Setpoint Adjustment: | Turn adjustment screw clockwise to increase pressure; counterclockwise to decrease pressure. |
| Weight: | 0.39 lbs (175 g) |

* See Product Configurator for additional options.

Wiring and Connection Diagram



Technical Drawing



Product Configurator

| | | | | | | | | |
|---------|---|---|---|---|---|---|--|--|
| Example | 9 | A | A | 1 | T | V | | |
|---------|---|---|---|---|---|---|--|--|

Series

| | |
|---|-------------|
| 9 | Series 9000 |
|---|-------------|

Process Connection

| | |
|---|---|
| 2 | G1/4" female |
| 3 | G1/4" IG DIN ISO 228-1 with 2 mounting wholes (Ø 5,5mm / 20mm distance) |
| A | 1/4" NPT female |
| E | 7/16-20 UNF (SAE-4) female |

Pressure Range

| Range | Adjustable Range | | Max. Hysteresis at full range max % | Max. Operating Pressure psi (bar) | Proof Pressure psi (bar) |
|-------|-----------------------------|-----------------------------|-------------------------------------|-----------------------------------|--------------------------|
| | Decreasing Press. psi (bar) | Increasing Press. psi (bar) | | | |
| A | 90 - 630 (6 - 44) | 145 - 725 (10 - 50) | 10% | 3620 (250) | 4350 (300) |
| B | 220 - 2680 (15-185) | 290 - 2900 (20 - 200) | | 3620 (250) | 4350 (300) |
| C | 510 - 5220 (35 - 360) | 580 - 5800 (40 - 400) | | 7250 (500) | 8700 (600) |

SPDT Contact

| | |
|---|--------|
| 1 | Silver |
|---|--------|

Electrical Connection

| | |
|---|-------------------------------------|
| T | DIN 43650, IP65 (formerly PL1) |
| B | DIN 43650 without mating plug, IP65 |

Accessories

| | |
|----|---|
| /N | DIN 43650 type A connector with molded cable, 6.56 feet (2 meters) |
| /O | DIN 43650 type A connector with molded cable, 16.40 feet (5 meters) |

Options

| | |
|--------|------------------------------------|
| XXXXR* | Factory setpoint rising (standard) |
| XXXXF* | Factory setpoint falling |

*Example: if setpoint is 2000 rising, order 2000R
If setpoint is 500 falling, order 0500F

Seals

| | |
|---|--------------|
| B | BUNA-N (NBR) |
| V | Viton® (FKM) |
| E | EPDM (EPR) |