Pressure

Compact Pressure Switch

Series 8000

Features

- Proven design in stationary and mobile hydraulic applications
- Wide setpoint pressure range
- Available in wide range of configurations
- Precise setpoint adjustment
- ► Factory preset or field adjustable
- ▶ UL Type 4
- Modular concept
- Manifold mount
- Additional process connections

Applications

- Hydraulic power packs
- Machine tools
- Overload controls
- Railways
- Factory automation
- Balers and compactors



General Specifications*

| Repeatability: | ±2% typical, diaphragm models ±1% typical, piston models | | |
|-----------------------------------|---|---|--|
| Microswitch: Type: | SPDT contact | | |
| Rating: | 5A 3A Gold contacts: 0.1 | @ 250 VAC @ 125 VAC @ 30 VDC A @ 125 VAC A @ 30 VDC | |
| Switching Frequency: | Max. 60 /min piston switch Max. 30/ min diaphragm switch | | |
| Wetted Parts: Process Fitting: | 300 series stainless steel | | |
| Housing: | Aluminum die-cast 230 | | |
| Seals & Diaphragms: | Buna-N (NBR) standard; FKM, EPDM (EPR) optional | | |
| Adjustment Screw: | 300 stainless steel (HEX 5 mm) | | |
| Electrical Connection/ Rating: | For IP rating and electrical connections see page 2 | | |
| Enclosure Ratings*: | NEMA 4 | | |

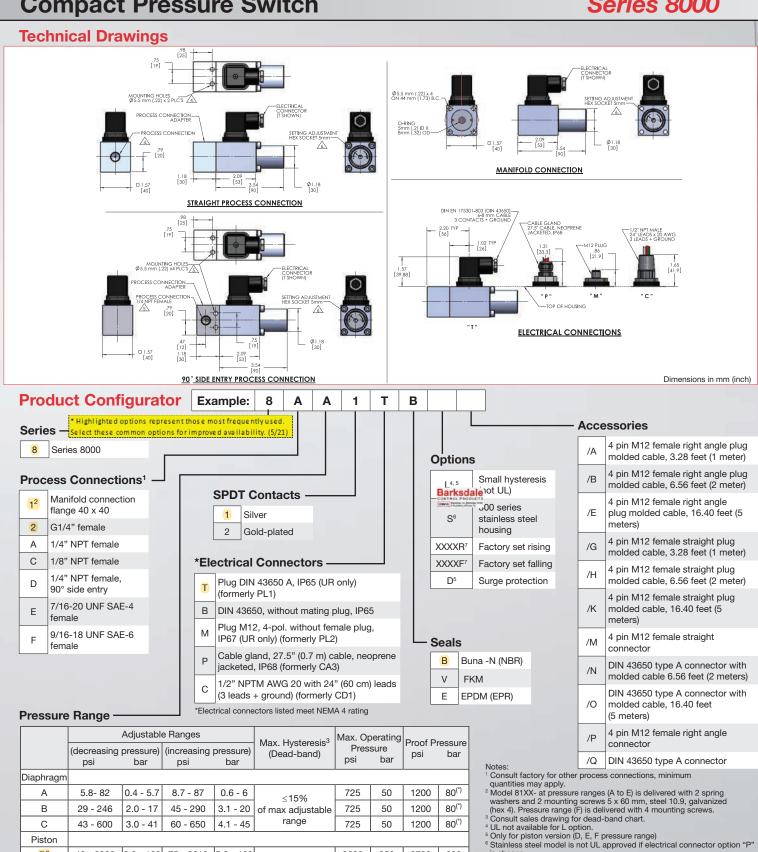
| Pressure Connection: | Standard manifold (Additional options available; see product configurator) | | |
|---|--|--|--|
| Approvals: Standard: | UL / cULus (CSA) | | |
| Ambient Temperature Range: Piston Switch: Diaphragm Switch: | -40°F to +167°F (-40°C to +75°C) -4°F to +167°F (-20°C to +75°C) | | |
| Adjustment Instructions: Setpoint Adjustment: | Turn adjustment screw clockwise to increase pressure setpoint; counterclockwise to decrease pressure setpoint. | | |
| Shipping Weight: Manifold Version: Adaptor Version Straight: Adaptor Version 90° Angle: | 0.77 lbs. (350 g) 1.36 lbs. (620 g) 1.48 lbs. (675 g) | | |

| * See product configurator for additional | options. | DIN 43650 Plug (T/B) | M12 Plug (M) | Cable Gland (P) | 1/2" NPT Conduit w/ Free Leads (C) |
|--|-----------------|----------------------|--------------|-----------------|------------------------------------|
| Wiring Code (contact status at atmospheric pressure) | Common | 1 | 1 | White | Violet |
| | Normally Closed | 2 | 2 | Black | Blue |
| | Normally Open | 3 | 4 | Red | Red |
| | Ground | GRD | 3 | Green | Green |



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(*) Proof pressure 2900 psi (200 bar) on request (May shorten the lifetime of the switch).

3.0 - 160 75 - 2610

30 - 300 | 750 - 5000

800 - 7550 | 55 - 520 | 1200 - 8700 | 80 - 600

5.0 - 180

50 - 350

 D_8

F8

43 - 2320

430 - 4300

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≤15%

of max adjustable

is chosen.
Factory set examples: If set point is 2500 psi rising, order 2500R,

if set point is 500 psi falling, order 0500F.

For water applications or pressure over 3,000 psi, D option, surge protection, is recommended

3600

6500

8700

250

450

600

8700

8700

13050

600

600