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:	Silver contacts: 3A @ 250 VAC 5A @ 125 VAC 3A @ 30 VDC				
	Gold contacts: 0.1A @ 125 VAC 0.1A @ 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				

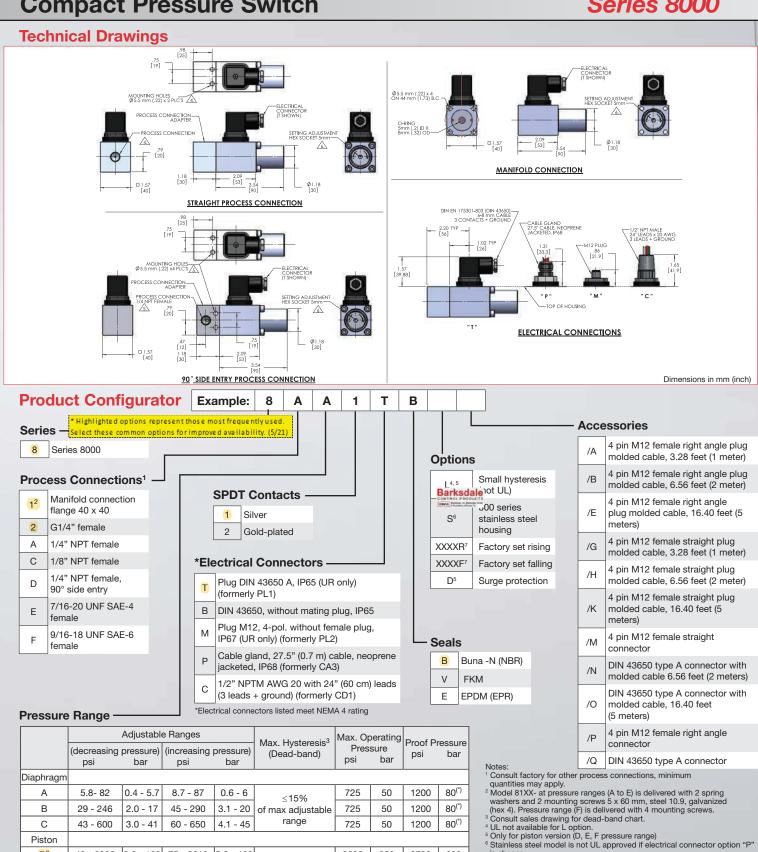
Pressure Connection:	Standard manifold (Additional options available; see product configurator)		
Approvals: Standard:	UL / cULus (CSA)		
Ambient Temperature Range: Piston Switch: Diaphragm Switch:	-40°F to +167°F (-40°C to +75°C) -4°F to +167°F (-20°C to +75°C)		
Adjustment Instructions: Setpoint Adjustment:	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