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

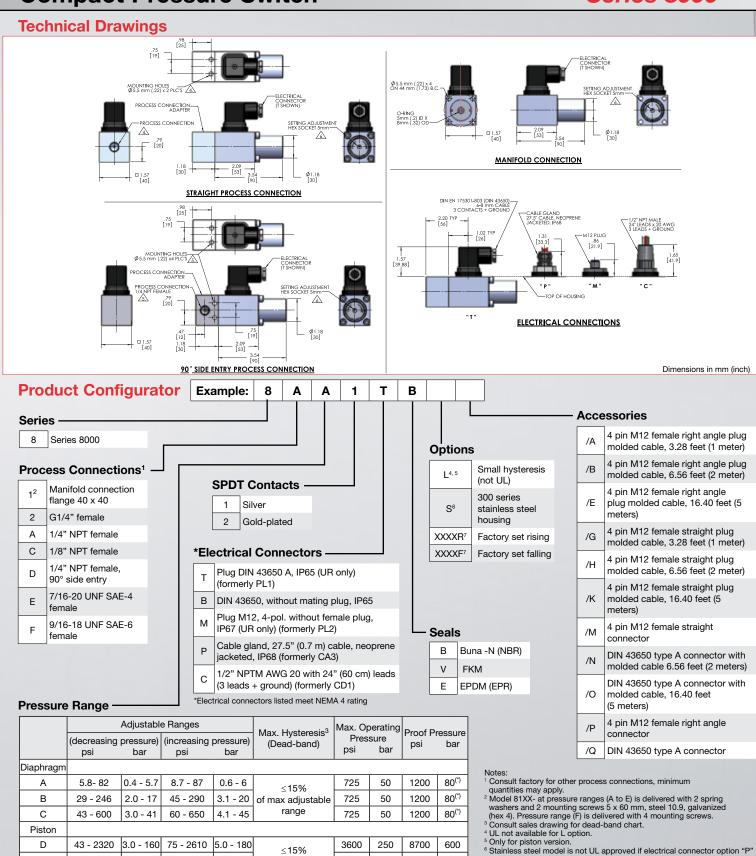
Pressure Connection:	Standard manifold (Additional options available; see product configurator)
Approvals: Standard:	UL / cULus (CSA)
Ambient Temperature Range: Piston Switch: Diaphragm Switch:	-40°F to +167°F (-40°C to +75°C) -4°F to +167°F (-20°C to +75°C)
Adjustment Instructions: Setpoint Adjustment:	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
	<b>·</b> —	Normally Open	3	4	Red	Red
		Ground	GRD	3	Green	Green



## **Compact Pressure Switch**

## Series 8000



6500

8700

450

600

8700

13050

600

of max adjustable

range

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

Ε

430 - 4300

30 - 300 | 750 - 5000 | 50 - 350

<sup>(\*)</sup> Proof pressure 2900 psi (200 bar) on request (May shorten the lifetime of the switch).