Compact Pressure Switch

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, dia ±1% typical, pis		Pressure Connection:	Standard manifold (Additional options available; see product		
Microswitch:				configurator)		
Туре:	SPDT contact		Approvals:			
Rating:	Silver contacts:		Standard:	UL / cULus (CSA)		
	Gold contacts: 0.1A @ 20 VDC Piston Sv	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)			
Switching Frequency:	Max. 60 /min piston switch Max. 30/ min diaphragm switch		Adjustment Instructions:			
Wetted Parts: Process Fitting:	300 series stainless steel Aluminum die-cast 230		Setpoint Adjustment:	Turn adjustment screw clockwise to increase pressure setpoint; counterclockwise to decrease pressure setpoint.		
Housing:			Chinning Woight			
Seals & Diaphragms:	Buna-N (NBR) standard; FKM, EPDM (EPR) optional		Shipping Weight: Manifold Version: Adaptor Version Straight:	0.77 lbs. (350 g) 1.36 lbs. (620 g) 1.48 lbs. (675 g)		
Adjustment Screw:	300 stainless steel (HEX 5 mm)		Adaptor Version 90° Angle:			
Electrical Connection/ Rating:	For IP rating and connections see					
Enclosure Ratings*:	NEMA 4					

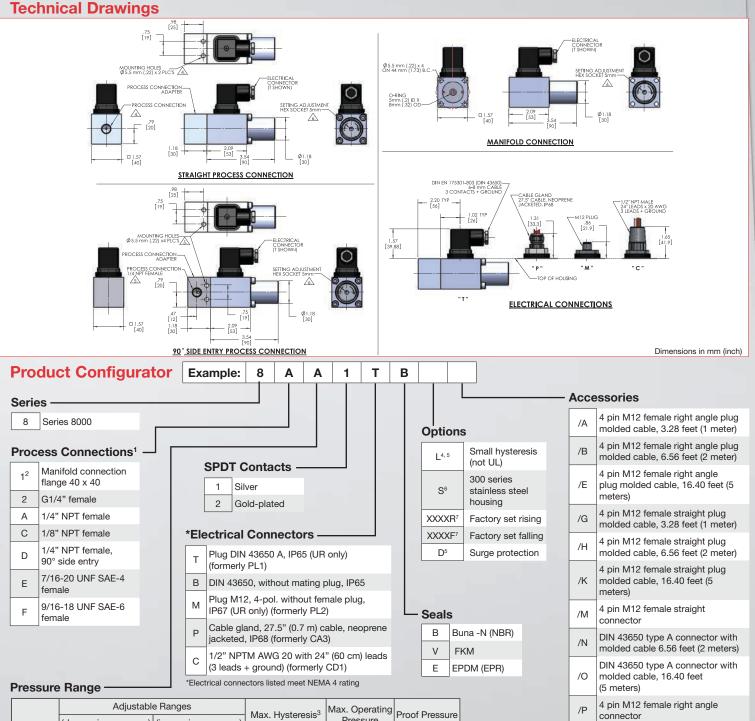
* See product configurator for additional options.		DIN 43650 Plug (T/B)	M12 Plug (M)	Cable Gland (P)	1/2" NPT Conduit w/ Free Leads (C)	
Wiring Code (contact status at atmospheric pressure)		Common	1	1	White	Violet
		Normally Closed	2	2	Black	Blue
		Normally Open	3	4	Red	Red
		Ground	GRD	3	Green	Green



Series 8000

Compact Pressure Switch

Series 8000



	Adjustable Ranges				Max. Hysteresis ³	Max. Operating		Droof Droopuro		
	(decreasing pressure) psi bar		(increasing pressure) psi bar		(Dead-band)	Pressure psi bar		psi	bar	
Diaphragm										
Α	5.8- 82	0.4 - 5.7	8.7 - 87	0.6 - 6	≤15% of max adjustable	725	50	1200	80(*)	
В	29 - 246	2.0 - 17	45 - 290	3.1 - 20		725	50	1200	80(*)	
С	43 - 600	3.0 - 41	60 - 650	4.1 - 45	range	725	50	1200	80(*)	
Piston										
D ⁸	43 - 2320	3.0 - 160	75 - 2610	5.0 - 180	_ ≤15% j	3600	250	8700	600	
E ⁸	430 - 4300	30 - 300	750 - 5000	50 - 350		6500	450	8700	600	
F ⁸	800 - 7550	55 - 520	1200 - 8700	80 - 600	range	8700	600	13050	900	
(*) Proof press	^(*) Proof pressure 2900 psi (200 bar) on request (May shorten the lifetime of the switch).									

- /Q Notes:
- Notes: ¹ Consult factory for other process connections, minimum quantities may apply. ² Model 81XX- at pressure ranges (A to E) is delivered with 2 spring washers and 2 mounting screws 5 x 60 mm, steel 10.9, galvanized (hex 4). Pressure range (F) is delivered with 4 mounting screws. ³ Consult sales drawing for dead-band chart.

- ⁴ UL not available for L option.
 ⁵ Only for piston version (D, E, F pressure range)
 ⁶ Stainless steel model is not UL approved if electrical connector option "P" ⁷ Factory set examples: If set point is 2500 psi rising, order 2500R,

- f set point is 500 psi falling, order 0500F. For water applications or pressure over 3,000 psi, D option, surge protection, is recommended
 - Barksdale

DIN 43650 type A connector

3211 Fruitland Avenue • Los Angeles, CA 90058 • 2 800-835-1060 • Fax: 323-589-3463 • www.barksdale.com CONTROL PRODUCTS

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