

Pressure and Differential Pressure Switches, Explosion-Proof Enclosure, Type 700, B-Series

This broad Ashcroft® switch series is ideal for use in virtually all process and industrial applications.

- Explosion-proof NEMA 7/9, IP66 enclosure
- Choice of switch elements for all applications, including hermetically sealed
- Wide choice of wetted materials, including all-welded Monel or stainless steel
- Fixed or limited adjustable deadband
- UL listed

1 - ENCLOSURE

B7 - Pressure switch, type 700, explosion-proof enclosure meets Div.1 & 2, NEMA 7/9, IP66 requirements

D7 - Differential pressure switch, type 700, explosion-proof enclosure meets Div. 1 & 2, NEMA 7/9, IP66 requirements

2 - SWITCH ELEMENTS

Order Code	Description/Maximum Electrical Ratings	UL/CSA listed SPDT
20 ⁽⁴⁾	Narrow deadband	15A, 125/250 Vac
21	Ammonia service	5A, 125/250 Vac
22 ⁽³⁾	Hermetically sealed switch, narrow deadband	5A, 125/250 Vac
23	Heavy duty ac	20A, 125/250 Vac
24 ⁽¹⁾	General purpose	15A, 125/250/480 Vac 1/2A, 125 Vdc 1/4A, 250 Vdc
25	Heavy duty dc	10A, 125/ Vac or dc 1/8HP 125/ Vac or dc
26 ⁽⁴⁾	Sealed environment proof	15A, 125/250 Vac
27	High temp. 300°F	15A, 125/250 Vac
31	Low-level (gold) contacts	1A, 125/250 Vac
32	Hermetically sealed switch, general purpose	11A, 125/250 Vac 5A, 30 Vdc
50	Variable deadband	15A, 125/250 Vac
UL/CSA listed dual SPDT⁽²⁾		
61 ⁽⁴⁾	Dual narrow deadband	15A, 125/250 Vac
62 ⁽⁴⁾	Dual narrow environment proof	15A, 125/250 Vac
63	Dual high temp. 300°F	15A, 125/250 Vac
64	Dual general purpose	15A, 125/250/480 Vac 1/2A, 125 Vdc 1/4A, 250 Vdc
65	Dual ammonia service	5A, 125/250/480 Vac
67 ⁽³⁾	Hermetically sealed switch, narrow deadband	5A, 125/250 Vac
68	Dual hermetically sealed switch,	11A, 125/250 Vac

- Various actuators available
- Belleville actuator⁽⁸⁾
- Readily available
- Standard pressure connection materials:

Pressure psi ranges
- 316L SS

Differential psid ranges
- Nickel plated brass

Pressure and differential inches of water ranges
- Carbon steel

- Cenelec models available⁽⁸⁾
- CSA models available⁽⁸⁾
- FM models available



3 - ACTUATOR SEAL⁽⁷⁾

Code & Material	Process Temp. ⁽⁶⁾ Limits °F	Range			
		Vac H ₂ O	0-600 psi	1000 psi	2000-3000 psi
B-Buna N	0 to 150	●	●	●	●
V-Viton	20 to 300	●	●	●	
T-Teflon	0 to 150	●	●	●	●
S-SS ⁽⁵⁾	0 to 300		●	●	
P-Monel ⁽⁵⁾	0 to 300		●	●	

4 - OPTIONS

See page 163-164

5 - STANDARD PRESSURE RANGES

See page 160

NOTES:

1. Standard switch.
2. Dual switches are 2 SPDT snap-action switches not independently adjustable.
3. Estimated dc rating, 2.5A, 28 Vdc (not UL listed).
4. Estimated dc rating, .4A, 120 Vdc (not UL listed).
5. Available on pressure only.
6. Ambient operating temperature limits -20 to 150°F, all styles. Setpoint shift of ±1% of range per 50°F is normal.
7. Items are wetted by process fluid.
8. Refer to Option Table.

TO ORDER THIS B-SERIES PRESSURE SWITCH:

Select: **B7** **20** **B** **X06** **600 psi**

1. Enclosure: _____
2. Switch Element: _____
3. Actuator Seal: _____
4. Options (page 163-164): _____
5. Pressure Range (page 160): _____