

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

- Explosion-proof NEMA 7/9, IP66 enclosure (explosion-proof enclosure Class I, Div. 1 & 2, Groups B, C, & D and Class II, Div. 1 & 2, Groups E, F & G)
- 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 ⁽⁹⁾	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, general purpose	11A, 125/250 Vac 5A, 30 Vdc

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

Pressure psi ranges
- 316L SS

Differential psid ranges
- Nickel plated brass⁽⁹⁾

Pressure and differential inches of water ranges
- Epoxy coated carbon steel

- ATEX models available⁽⁶⁾
- CSA models available⁽⁶⁾
- FM models available⁽⁶⁾



ATEX model shown

3 - ACTUATOR SEAL⁽⁷⁾

Code & Material	Process Temp. ⁽⁶⁾ Limits °F	Range			
		Vac in.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⁾⁽¹⁰⁾	0 to 300		●	●	
P-Monel ⁽⁵⁾	0 to 300		●	●	

4 - OPTIONS

(See pages 229-230)

5 - STANDARD PRESSURE RANGES

(See page 226)

NOTES:

- Standard switch.
- Dual switches are 2 SPDT snap-action switches not independently adjustable.
- Estimated dc rating, 2.5A, 28 Vdc (not UL listed).
- Estimated dc rating, .4A, 120 Vdc (not UL listed).
- Available on pressure only.
- Ambient operating temperature limits -20 to 150°F, all styles. Setpoint shift of ±1% of range per 50°F is normal. Switch calibrated at 70°F reference.
- Items are wetted by process fluid.
- Refer to Option Table.
- Order Option XUD, stainless steel process connection.
- On differential switches, stainless steel is available in 15, 30, 60 and 90 psid ranges only. Includes Teflon O-ring and 316 SS connection.

TO ORDER THIS B-SERIES PRESSURE SWITCH:

- Select: **B7 20 B X06 600 psi**
- Enclosure: _____
 - Switch Element: _____
 - Actuator Seal: _____
 - Options (see pages 229-230): _____
 - Pressure Range (see page 226): _____

Consult factory for guidance in product selection
Phone (203) 385-0217, Fax (203) 385-0602 or
visit our web site at www.ashcroft.com