

Pressure and Differential Pressure Switches, Watertight Enclosure, Type 400, B-Series

This general purpose Ashcroft® switch series is ideal for use in virtually all Industrial and OEM applications.

- Watertight NEMA 4X enclosure, IP66
- 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
- Approved for UL, CSA and FM ratings

1 - ENCLOSURE

B4 - Pressure switch, type 400, watertight enclosure meets NEMA 3, 4, 4X and 13, IP66 requirements

D4 - Differential pressure switch, type 400, watertight enclosure meets NEMA 3, 4, 4X and 13, 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
28	Manual reset trip on increasing	15A, 125/250 Vac
29	Manual reset trip on decreasing	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

- Choice of actuators, including designs for fire-safe and NACE applications⁽⁶⁾

- 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



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 ⁽⁶⁾	0 to 300		●	●	
P-Monel ⁽⁶⁾	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: **B4 20 B XPK 600 psi**

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