

# SMF PRESSURE SWITCHES



**SMF pressure switches** are ideal for many hydraulic and pneumatic applications. It utilizes a proven piston/diaphragm design to provide excellent accuracy and high proof pressures with zero leakage. Any flying leads are available with IP67 rated CA and CS options, making it an exceptional product for outdoor environments.

## FEATURES

- Snap action micro switch
- Factory set or field adjustable
- Diaphragm/piston design for longevity
- Wide adjustment range
- High proof pressures

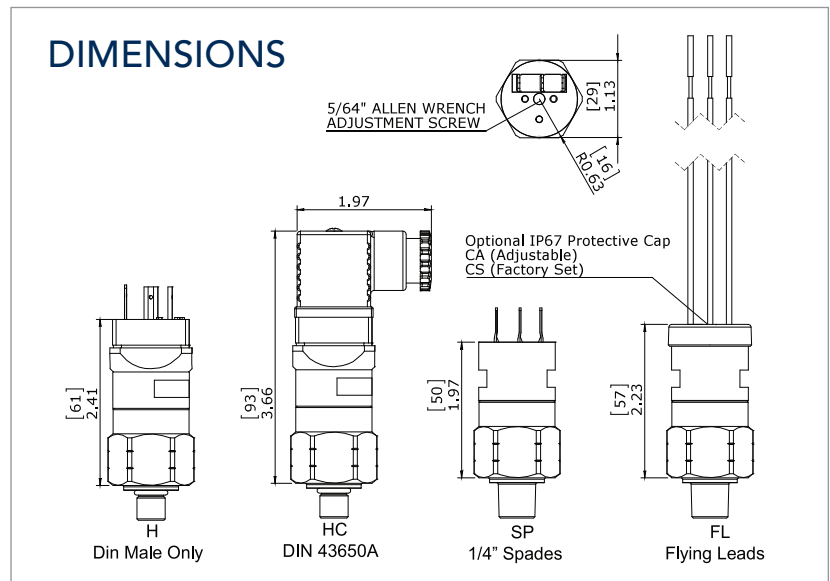
## APPLICATIONS

- Hydraulic system control
- Material handling equipment
- Lubrication systems
- Garbage compactors

## SPECIFICATIONS

- **Electrical:** 5A (12/24 VDC / 125 VAC) or 3A (250 VAC)
  - *Optional: 10A or Gold Contact*
- **Switch Type:** Snap Action
- **Protection:** DIN 43650A: IP65
  - *Terminals: IP00 CA/CS: IP67*
- **Temperature Range:** -20 °F to 180 °F (-29 °C to 82 °C) Nitrile
- **Mechanical Range:** 1,000,000 Cycles at 1000 PSI / 69 Bar
- **Diaphragm Material:** Standard: Nitrile
  - *Optional: Viton, EPDM, HNBR*
- **Housing Material:** Zinc Plated Steel
  - *Optional: Stainless Steel*
- **Max. Overpressure:** 9000 PSI / 620 Bar
  - *SMA-3 model: 4700 PSI / 324 Bar*
- **Repeatability:** +/- 2% of full set point range at 20 °C / 68 °F
- **Differential:** 7-30% of setting
- **Weight:** 0.37 lbs / 0.17 kg

## DIMENSIONS



Pressure Range	
Model	Adjustment Range (PSI / Bar)
1	10-35 / 0.7-2.4
2	300-1200 / 21-83

Wiring Code						
Contact	Flying Leads	DIN 43650 Type	FLWF / FLWM / FLCM / FLCF / FLPM / FLPF		FLDR / FLDP	
			SPDT Model	SPST Model	SPDT Model	SPST Model
Common	Black	Pin 1	Pin A	Pin A	Pin A	Pin 1
Normally Closed	Blue	Pin 2	Pin B	Pin B	Pin B	Pin 2
Normally Open	Red	Pin 3	Pin C	Pin B	Pin C	Pin 3