



DESCRIPTION

A compact pressure switch utilizing a high quality snap action micro switch for applications in which price and size are of concern. Suitable for pneumatic, water, and low pressure hydraulic applications. Its modular design allows for a variety of electrical and mechanical terminations.

FEATURES

- Low pressure switch
- Factory set or field adjustable
- Compact size
- Cost effective

APPLICATIONS

- Pneumatic system control
- Low pressure filter monitoring
- Car washes
- Gate control

* UL available for certain models

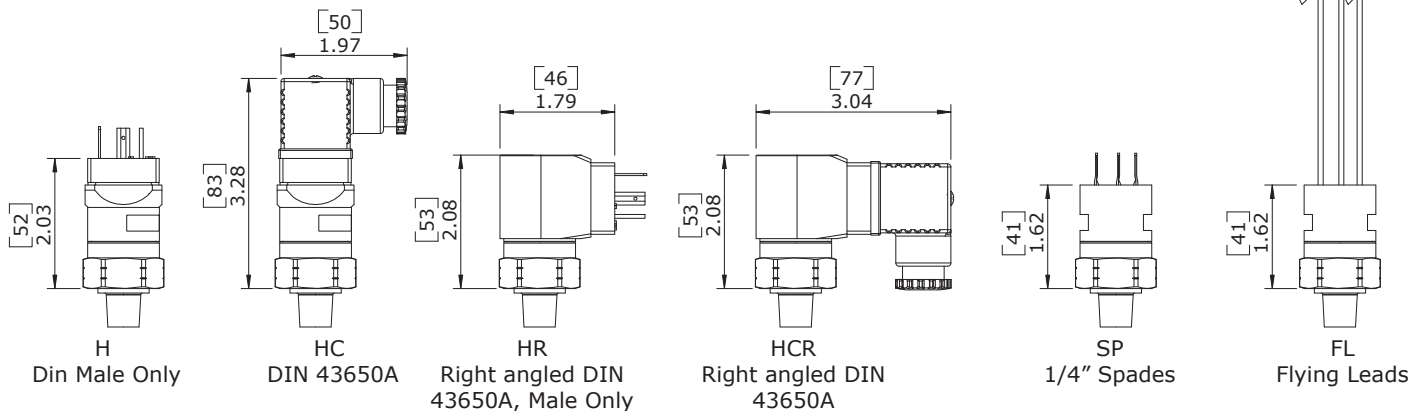
Specifications

Electrical	5A [12/24 VDC, 125 VAC] or 3A [250 VAC]
Switch Type	Snap Action
Protection	DIN 43650A - IP65, Terminals - IP00
Temperature Range	-20°F to 180°F (-29°C to 82°C) Nitrile
Mechanical Range	1,000,000 Cycles @ 75 PSI (5.2 BAR)
Diaphragm Material	Standard: Nitrile Optional: Viton, EPDM, HNBR
Housing Material	Brass (Optional Stainless Steel)
Maximum Overpressure	350 PSI (24 BAR)
Repeatability	+/- 2% of full set point range at 20°C (68°F)
Differential	6 - 20% of setting
Weight	0.26 lbs (0.12 kg)

Pressure Range

Model	Adjustment Range	
	PSI	BAR
1	3 - 7	0.2 - 0.5
2	5 - 30	0.3 - 2.1
3	25 - 150	1.7 - 10

Dimensions



Wiring Code

CONTACT	FLYING LEADS	DIN 43650 TYPE	FLWF / FLWM WEATHERPACK	FLDR / FLDP DEUTSCH RECEPTACLE / PLUG
COMMON	BLACK	PIN 1	PIN A	PIN A / PIN 1
NORMALLY CLOSED	BLUE	PIN 2	PIN C	PIN C / PIN 2
NORMALLY OPEN	RED	PIN 3	PIN B	PIN B / PIN 2

Ordering Information

Field Adjustable

SPA - ¹2 - ²2M - ³C - ⁴HC - ⁵1

Factory Preset

SPF - ¹30F - ²2M - ³C - ⁴HC - ⁵1

1 - Pressure Selection:

Field Adjustable - Select Model Code

Model	Adjustment Range	
	PSI	BAR
1	3 - 7	0.21 - 0.5
2	5 - 30	0.3 - 2.1
3	25 - 150	1.7 - 10

Insert set point value XXX followed by: R, F, BR, or BF

OR

Set Point	Direction	Description
XXXX	R	PSI Rising Pressure
	F	PSI Falling Pressure
	BR	BAR Rising Pressure
	BF	BAR Falling Pressure

2 - Thread Options:

- 2M - 1/8 NPT male
- 4M - 1/4 NPT male
- 2G - 1/8 BSPP male, G1/8
- 4G - 1/4 BSPP male, G1/4
- 4S - 7/16-20 SAE male, with O-ring seal
- 6S - 9/16-18 SAE male, with O-ring seal

3 - Circuit:

- A - SPST (Normally Open)
- B - SPST (Normally Closed)
- C - SPDT (Single Pole Double Throw : Normally Open and Normally Closed)

4 - Electrical Termination:

- H - DIN 43650A - connector type - male half only (only available in SPDT option)
- HC - DIN 43650A - connector type (only available in SPDT option)
- HR - 90 Degree DIN 43650A - connector type - male half only (only available in SPDT option)
- HCR - 90 Degree DIN 43650A - connector type (only available in SPDT option)
- HN - DIN 43650A 1/2" NPT Conduit (only available in SPDT option)
- HNR - 90 Degree DIN 43650A 1/2" NPT Conduit (only available in SPDT option)
- FL - Flying Lead 18" long, 18 AWG
- FLWF - Flying Lead Weatherpack connector, female, Tower, 10" long leads
- FLWM - Flying Lead Weatherpack connector, male, Shroud, 10" long leads
- FLDP - Flying Lead Deutsch connector, plug, 10" long leads
- FLDR - Flying Lead Deutsch connector, receptacle, 10" long leads
- SP - 1/4" Spade

5 - Options:

- 1 - Viton® Diaphragm
- 2 - EPDM Diaphragm
- 3 - 316 Stainless Steel Housing
- 4 - HNBR Diaphragm
- 6 - Lead Free Brass
- 7 - Gold Contact, Snap Action Microswitch @ 20 mA/12 VDC
- 8 - 10 amp, Snap Action Microswitch @ 10(2) 125 VAC (inductive), 6(2) 250 VAC (inductive)
- 20 - Seal Adjustment Screw
- OC - Oxygen Cleaned Switches
- SR - Snubber



Note: Please see page 43 for other available options