

SPA / SPF



DESCRIPTION

The SPA is a minature pressure switch with a high quality snap action micro switch. It is suitable for pneumatic, water, and any low pressure hydraulic applications. The switch is field adjustable with an allen screw and now features an optional IP67 rating for any of our flying lead options (CA and CS). Lead free brass is available for special application requirements.

FEATURES

- Low pressure switch
- Factory set or field adjustable

5/64" ALLEN WRENCH ADJUSTABLE SCREW

- Compact size
- Cost effective

APPLICATIONS

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

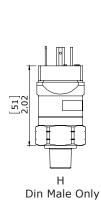
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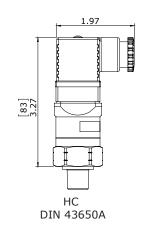
Gate control

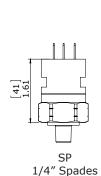
Specifications	5		
Electrical	5A [12/24 VDC, 125 VAC] or 3A [250 VAC] Optional: 10A or Gold Contact		
Switch Type	Snap Action		
Protection	DIN 43650A - IP65, Terminals - IP00, CA/CS - IP67		
Temperature Range	-20°F to 180°F (-29°C to 82°C) Nitrile		
Mechanical Range	1,000,000 Cycles @ 75 PSI (5.2 BAR)		
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)		

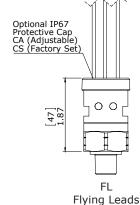
Pressure Range						
Model	Adjustment Range					
Model	PSI	BAR				
1	3 - 7	0.2 - 0.5				
2	5 - 30	0.3 - 2.1				
3	25 - 150	1.7 - 10				

Dimensions









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CONTACT	FLYING LEADS	DIN 43650 TYPE	FLWF / FLWM FLCM / FLCF / FLPM / FLPF		FLDR ,	/ FLDP
LLADS TIPL		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 C	PIN B	PIN C	PIN 2
NORMALLY OPEN	RED	PIN 3	PIN B	PIN B	PIN B	PIN 2

SPA / SPF



Ordering Information

Factory Preset

SDE	۱_	30E	_	2M	۱_	Č	l _ l	HC	_	5 (Optional)
JF1	_	301	_	214	_	C] -	110	_	

1 - Pressure Selection:

Field Adjustable - Select Model Code

Insert set	point value	XXX	followed	hv:	R	F	BR	or F	ЗF
1113611 361	point value	$\wedge \wedge \wedge$	TOTIOWEG	υy.	١٠,	١,	טוע,	OI L	וכ

	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			

Set Point	Direction	Description
	R	PSI Rising Pressure
XXXX	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)

SPDT (Single Pole Double Throw : Normally Open and Normally Closed)

OR

4 - Electrical Termination:

HC - DIN 43650A - connector type (only available in SPDT option)

HN - 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

FLCM - Flying Lead Metripack, male, 150 series, 10" long leads

FLCF - Flying Lead Metripack, female, 150 series, 10" long leads

FLPM - Flying Lead Metripack, male, 280 series, 10" long leads

FLPF - Flying Lead Metripack, female, 280 series, 10" long leads

SP - 1/4" Spade

5 - Options (Omit if not required):

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 (minimum set point 5 psi)

10 amp, Snap Action Microswitch @ 10(2) 125 VAC (inductive), 6(2) 250 VAC (inductive)
(minimum set point 5 psi)

20 - Seal Adjustment Screw

oc - Oxygen Cleaned Switches

SR - Snubber

CA - IP67 rated protective cover with a removable plug (For adjustable switches, SPA flying lead model)

CS - IP67 rated protective cover (For factory set switches, SPF flying lead model)

