

EXTENDED DUTY PRESSURE SWITCH MODEL SPS15



SPS15 extended duty pressure switch is specifically designed to stand up to extended duty applications. This switch is factory set but capable of field adjustment. It features different diaphragms for compatibility with a wide variety of fluids, and various terminations including a Metri-Pack connector that forms a tight seal when connected. It can be widely used for pool and spa, anti-skid braking systems, water pump systems, and dental air compressors, heavy construction, off-road equipments and other pressure control systems.

Features

- Specially designed for enduring continuous loads
- Featuring Kapton (polyimide) diaphragms compatible with various liquids
- Durable structure with stable volume and set points

Technical parameter

General

Basic information

Pressure set range	0.5...150psi
Process connection	1/8NPT,1/4NPT,R1/8,R1/4,G1/8,G1/4 (Optional other interface forms)
Terminal	#8-32 screws,1/4"blade
Material	Contact: silver alloy,gold plated;Base:brass; Cover:glass reinforced polyester; Diaphragm: polyimide film
Max operating pressure	150psi for 0.5...24psi set point range, 250psi for 25...150psi set point range
Switch type	Direct action,blade contact
Tests/Admissions	UL

Electrical overview

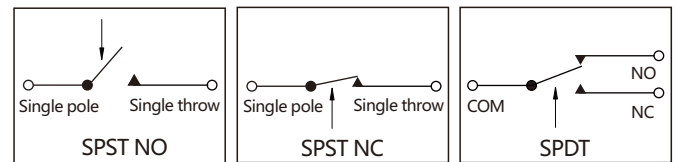
Electric rating	Resistive:15AMP-6VDC,8AMP-12VDC, 4AMP-24VDC;Inductive: 1AMP-120VAC,0.5AMP-240VAC
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Operating conditions

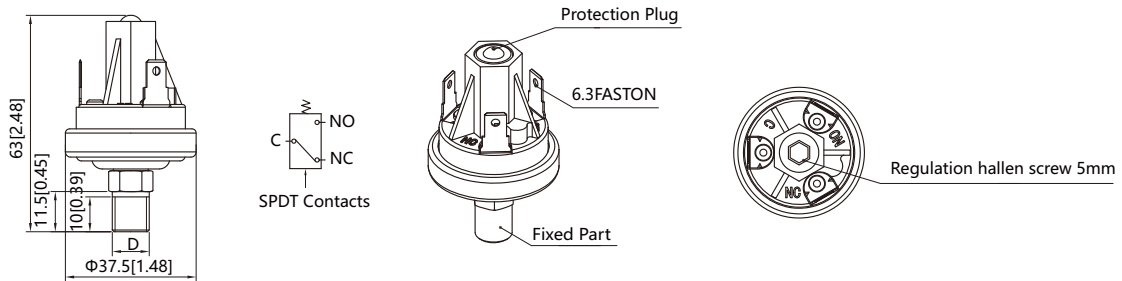
Medium	Air,water,motor oils,transmission oils, jet fuels and other similar Hydrocarbon Media
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Temperature	Working:-40...+120°C[-40...+248°F]
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Contact version



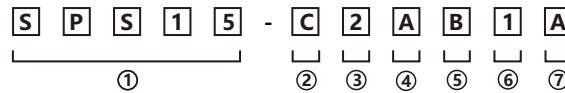
Dimensiones in mm(in)



Ordering information

Example part number:SPS15-C2AB1A

Model SPS15 extended duty pressure switch,pressure set point range:3.1...7psi±1psi,contact version:SPST-NO,process connection:1/8NPT;base material:brass;terminals:1/4blade;cover:cover a.



①	②	③	④	⑤	⑥	⑦
Name	Pressure Set Point Range	Contact Version	Process Connection	Base Material	Terminal	Cover
SPS15	A 0.5...1psi±0.3psi B 1.1...3psi±0.5psi C 3.1...7psi±1psi D 8...13psi±2psi E 14...24psi±3psi F 25...50psi±5psi G 51...90psi±7psi H 91...150psi±10psi	1 SPST-NC 2 SPST-NO 3 SPDT-NO-C-NC 4 SPST-NO(adjustable) 5 SPDT-NO-C-NC (adjustable)	A A=1/8NPT B B=1/4NPT C C=R1/8 D D=R1/4 E E=G1/8 F F=G1/4 G G=Other	B Brass Q Plated steel S Stainless steel	1 1/4 blade 2 #8-32 screws 3 Wire leads	N None A Cover A B Cover B C Epoxy resin encapsulation

1bar=100kPa=0.1MPa=14.5psi
Please make separate remarks for special requirements.