Sensata Technologies

KLIXON® | 20PS, 39PS, 40PS and 41PS

Pressure Switches

WORLD CLASS PERFORMANCE

The 20PS Family of Switch products (20PS, 39PS, 40PS and 41PS) was developed to meet the demanding needs of HVAC & industrial applications and has since become a staple in the heavy vehicle and off road markets. The reliable and durable construction allows the product to perform under severe environmental conditions and very high vibration levels.

Sensata Technologies has been a leading global supplier of pressure sensors & switches for over 50 years.

Features & Benefits

- Automatic Reset
- Single-pole, single throw switch normally open or normally closed
- Factory calibrated set points g vacuum to 750 psig
- Snap acting Klixon™ stainless steel, hermetically sealed sensor
- Environmentally sealed or vented switch
- High cycle life - Proven reliability
- Custom engineered solutions

Applications

- Compressors & Pumps
- Hydraulics & Pneumatics
- Engine Controls
- Air Conditioning & Refrigeration
- Construction Equipment
- Agricultural Equipment
- Process Control / Laboratory
- Military

Technical Specifications

Operating Pressure

Vacuum to 750 psig (52 bar)

Proof Pressure

Set Point	Proof Pressure
<100psig	250psig (17 Bar)
100-500psig	600psig (41 bar)
>500psig	800psig (55 bar)

Higher pressures available for certain applications. Contact Sensata.

Burst Pressure

5000 psig

Life at Rated Current

100,000 cycles (All - UL Recognition)
250,000 cycles (All except 20PS)

Electrical Ratings

120 VAC - 5.8 FLA 34.8 LRA
240 VAC - 2.9 FLA 15.0 LRA
120/277 VAC - 375 VA Pilot Duty
24 VAC - 125 VA Pilot Duty

Dielectric Strength

750 Vrms Open Contacts
1550 Vrms Terminals to Fitting

Lead Wire Material / Electrical Connection

18 or 16 AWG 600V 105ºC PVC
Quick Connects .250" x .032" Male Str. Tab
Various AMP, Packard, Delphi & Deutsch Connectors

Ambient Temperature

-20ºF to 176ºF / (-29ºC to 80ºC) (20PS)
-40ºF to 248ºF / (-40ºC to 120ºC) (40/41PS)

Fluid Temperature

-65ºF to 275ºF / (-53.9ºC to 135ºC)

Agency Recognitions

UL	File SA995 Guide SDFY2
UL (Canada)	File SA995 Guide SDFY8
PED EN 12263	Module B&D
ENEC, EN60730	EN60730-1, EN60730-2-6

RoHS Compliancy Available

The World Depends on Sensors and Controls

Klixon is a registered trademark of Sensata Technologies

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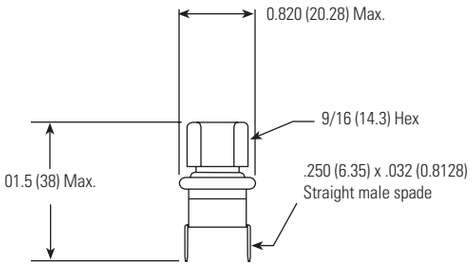
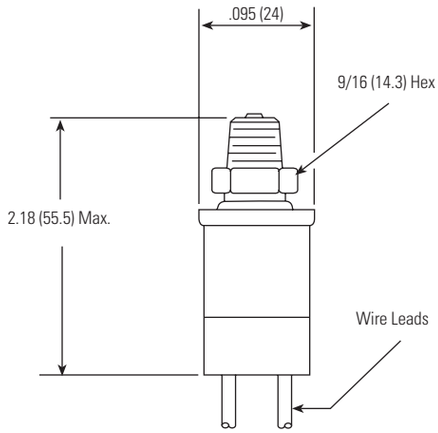
Pressure Switches

Typical Physical Characteristics - 20PS, 39PS, 40PS, 41PS

Quick Connect Construction

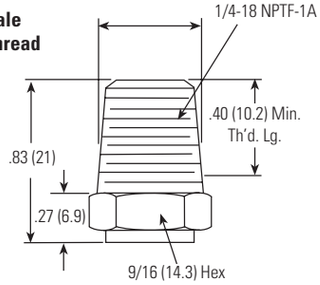


Leaded Construction

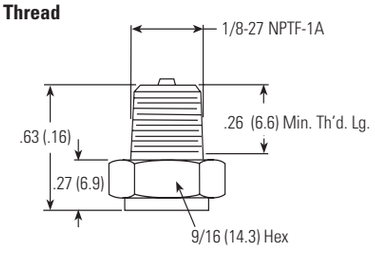


Typical Standard Fittings (Other port fittings are available. Contact Sensata.)

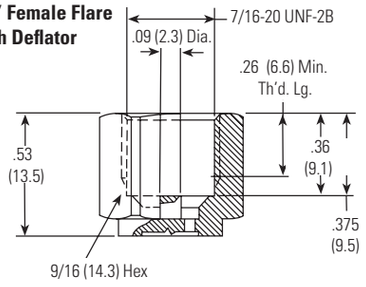
1/4" Male Pipe Thread



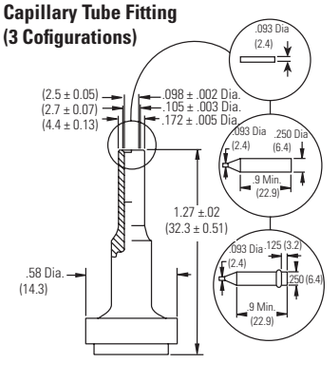
1/8" Male Pipe Thread



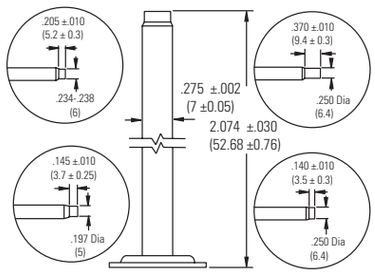
1/4" Female Flare with Deflator



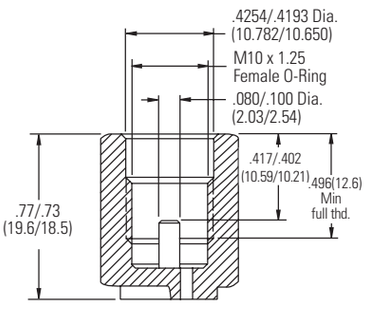
Capillary Tube Fitting (3 Cofigurations)



Tube Fitting (4 Cofigurations)



Female O-Ring



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