

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

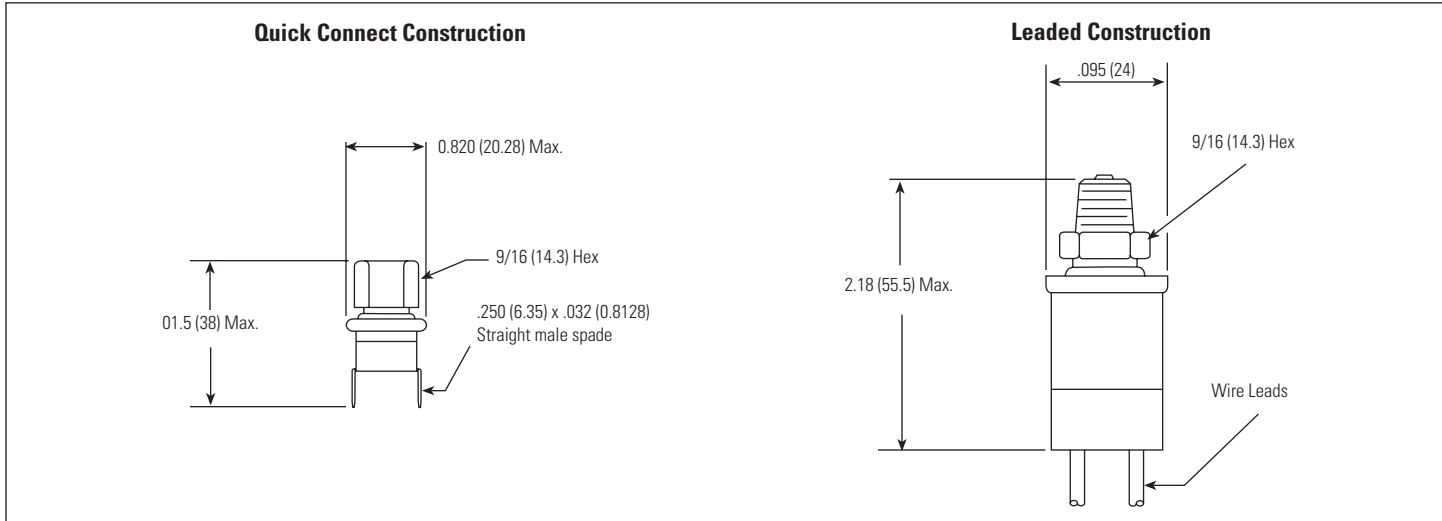
Technical Specifications

Operating Pressure		Dielectric Strength
Vacuum to 750 psig (52 bar)		750 Vrms Open Contacts 1550 Vrms Terminals to Fitting
Proof Pressure		Lead Wire Material / Electrical Connection
Set Point	Proof Pressure	18 or 16 AWG 600V 105°C PVC Quick Connects .250" x .032" Male Str. Tab Various AMP, Packard, Delphi & Deutsch Connectors
<100psig	250psig (17 Bar)	Ambient Temperature
100-500psig	600psig (41 bar)	-20°F to 176°F / (-29°C to 80°C) (20PS) -40°F to 248°F / (-40°C to 120°C) (40/41PS)
>500psig	800psig (55 bar)	Fluid Temperature
Higher pressures available for certain applications. Contact Sensata.		-65°F to 275°F / (-53.9°C to 135°C)
Burst Pressure		Agency Recognitions
5000 psig		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
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		

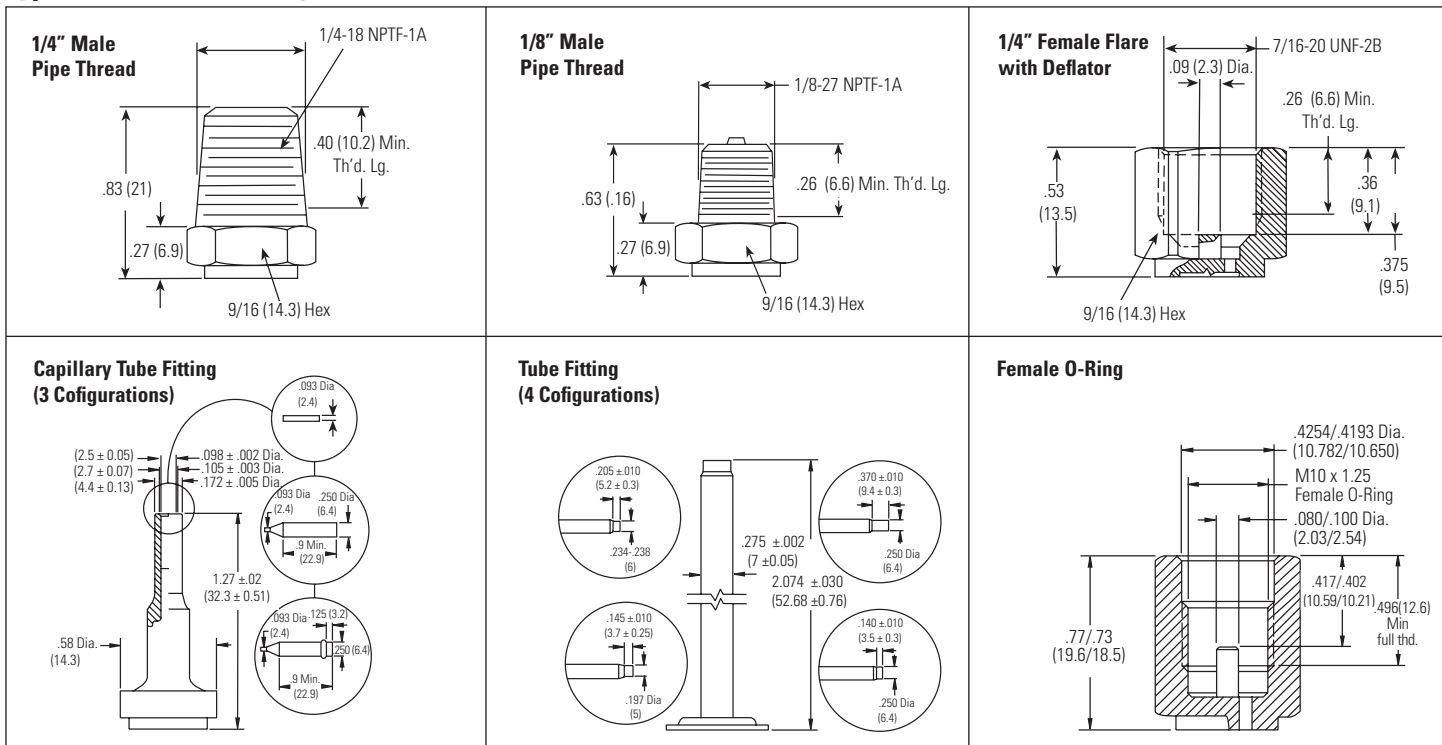
The World Depends on Sensors and Controls

KLIXON® | 20PS, 39PS, 40PS and 41PS Pressure Switches

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



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



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