



36PS SERIES | PRESSURE SWITCHES

AUTOMATIC RESET

Introduction

Sensata’s 36PS pressure switch offers a number of design features that ensure accurate, reliable performance in low pressure, dry circuit applications. The all-metal construction of this hermetically sealed “free disc” switch allow the product to remain extremely stable over life. Compatible with most fluids, this product is rated up to 1M cycles.

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



Features and Benefits

- Hermetically Sealed Sensor
- Snap Acting/Automatic Reset
- Wide Temperature Range
- Environmentally Sealed and Vented
- Factory Calibrated Set Points
- Compact and Lightweight for Direct Mounting
- Excellent Set Point Repeatability & Temperature Stability
- Narrow Tolerance and Hysteresis
- High Vibration Capability

Applications

- Construction Equipment
- Agricultural Equipment
- Compressors and Pumps
- Hydraulics and Pneumatics
- Engine Controls
- Process Control
- Automation Systems
- Industrial Systems
- Marine Engine/Equipment



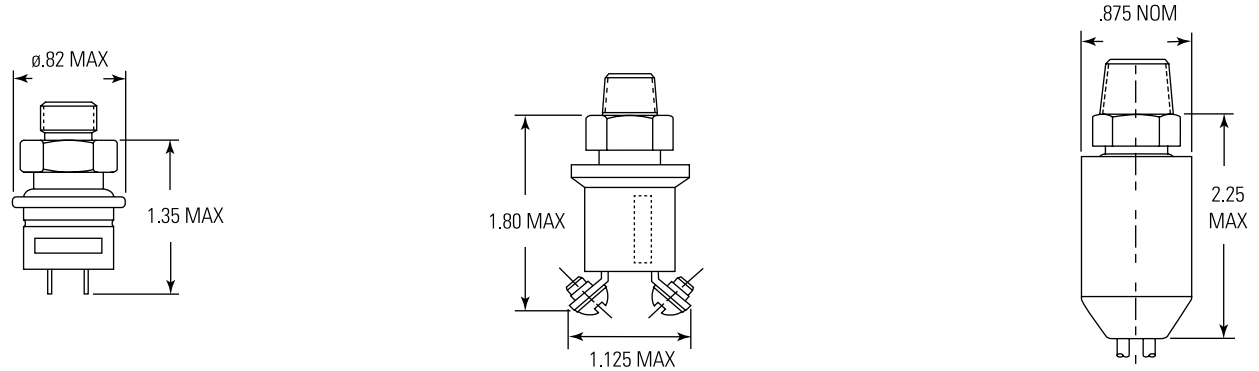
TECHNICAL SPECIFICATIONS

Operating Pressure	500 psig (34 bar)
Proof Pressure*	600 psig (41 bar)
Burst Pressure	5000 psig (345 bar)
Life at Rate Current	1,000,000 cycles 0-300 psig/milliamp load 100,000 cycles 0-500 psig full amperage
Electrical Ratings	5 mA @ 9 Vdc to 2A @ 28 Vdc 5.8 FLA/34.8 LRA @ 120 Vac 2.9 FLA/15.0 LRA @ 240/277 Vac
Dielectric Strength	750 Vrms Open Contacts 1500 Vrms Terminals to Fittings (ground)

Lead Wire Material	#16 & #18 AWG 600 V 105°C 1/32" PVC Quick Connects .250" x 0.032" straight male spa Others upon request; call Sensata
Ambient Temperature	-40°F to 257°F (-40°C to 125°C) (4% setpoint shift @ 100°C)
Fluid Temperature	-65°F to 275°F (-53.9°C to 135°C)

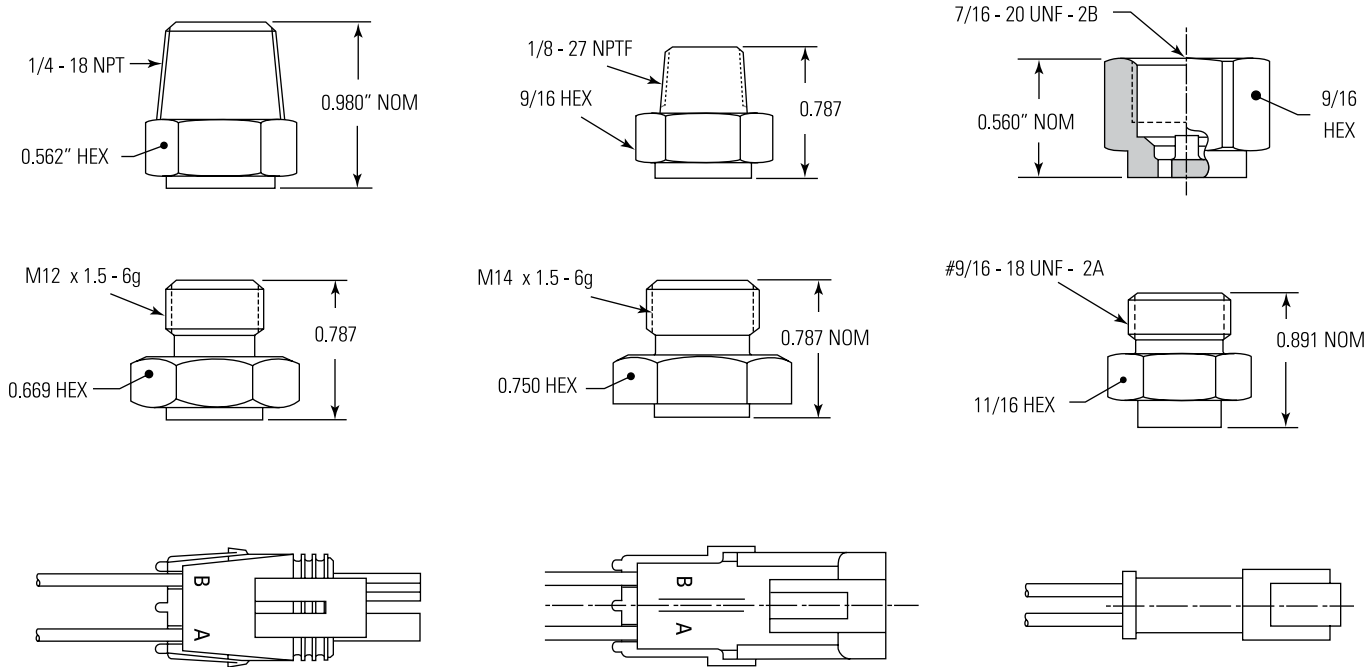
TYPICAL PHYSICAL CHARACTERISTICS

All dimensions in millimeters [Inch]
(Additional configurations are available. Contact Sensata: sensors@sensata.com)



Typical Standard Fittings

All dimensions in millimeters [Inch]
(Additional fittings are available. Contact Sensata: sensors@sensata.com)



Packard Electric Weather Pack male and female tower

Deutsch DT Series

Common Port Fittings

1/8"– 27 NPTF male	3/8"– 24 UNF male o-ring
1/4"– 18 NPTF male	9/16"– 18 UNF male o-ring
1/4" SAE male flare	M 10 x 1 male o-ring
1/4" SAE female flare	1/4" O.D. copper or stainless steel braze tube



WARNINGS



HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH

- Disconnect all power before installing or working with this equipment
- Verify all connections and replace all covers before turning on power

Failure to follow these instructions will result in death or serious injury

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