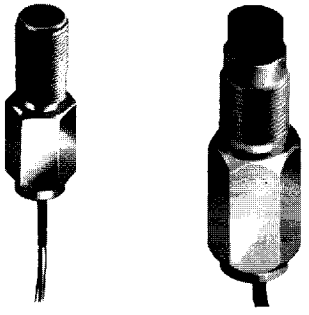
Severe Environment Proximity Sensors



FEATURES

- All-metals sensitive
- Designed for aircraft, ordnance, marine, mass transit, high performance industrial equipment
- Stainless steel housing, thick wall construction for effective shielding
- Leadwire or connector termination
- Factory Mutual certified for Class I, Division 2, Groups A, B, C, D
- Circuit protection against:
  Transients, MIL-STD-704
  EMI, MIL-STD-461
  False pulse
  Load shorts
  Reverse voltage
  400 Hz interference

100FW ORDER GUIDE

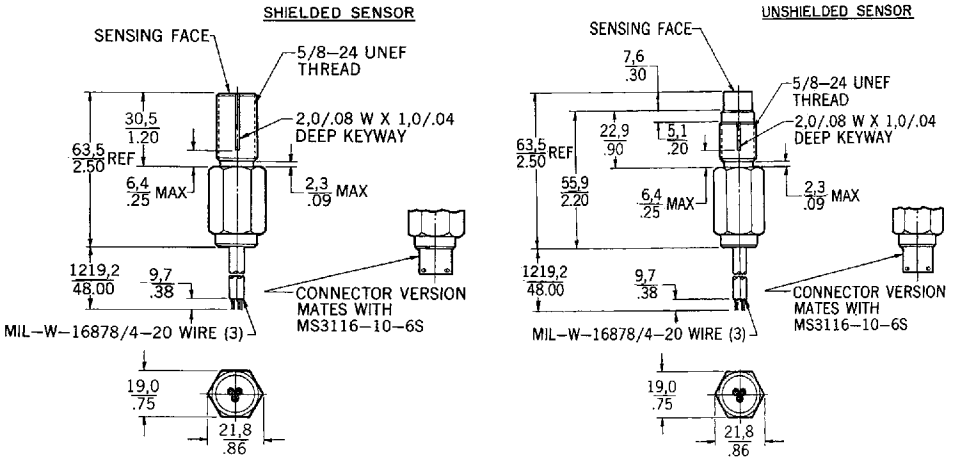
Sensor Package Style	Sensing Range mm (in.)	Repeatability, (max.)	Switching Frequency**	Standard Target* mm (in.)	Termination	Catalog Listing
5/8-24 UNEF	2,41mm ± 0,51 (.095 ± .02) Shielded	± 1%	500 Hz	15,9 dia. x 1,59mm (.625 dia. x .062) (SAE 1018 steel)	Connector	112FW12-R1
					Leadwire	112FW12-4
5/8-24 UNEF	5,84mm ± 0,76 (.230 ± .03) Unshielded	± 1%	500 Hz	15,9 dia. x 1,59mm (.625 dia. x .062) (SAE 1018 steel)	Connector	122FW12-R1
					Leadwire	122FW12-4

* For any given set of environmental conditions. Note: for most aerospace applications, repeatability is not specified; all variations, including repeatability, environmental effects and manufacturer's tolerances are included in the basic tolerance of operating parameters.
** Varies with application details (target size, distance, etc.); should be evaluated for each installation design.

MOUNTING DIMENSIONS

For reference only

mm
in.



ELECTRICAL SPECIFICATIONS

Supply Voltage (Vs)	18-32 VDC
Leakage Current	10 μA
Voltage Drop, max.	1.0 V
Current Consumption, max. (exclusive of load)	20 mA
Load Current, max.	120 mA, 50 mA Lamp
Hysteresis	0,13mm (.005)
Circuit Protection	Transients, MIL-STD-704 False pulse Load shorts EMI, MIL-STD-416A Reverse voltage 400 Hz interference

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