

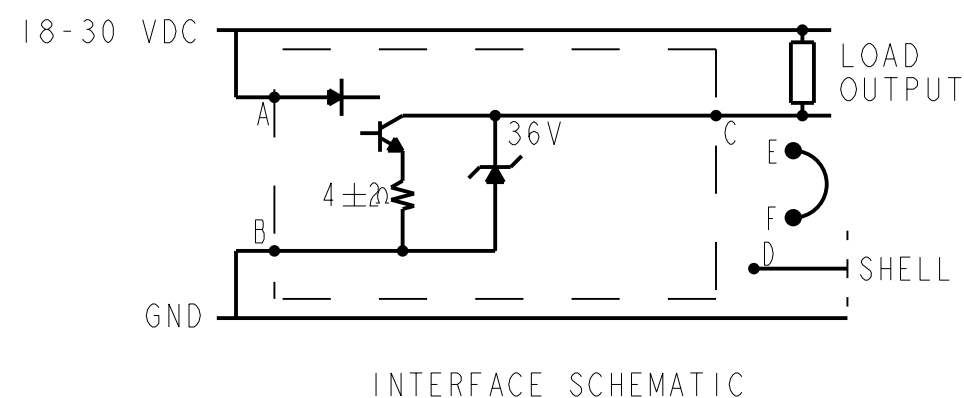


FIGURE 1

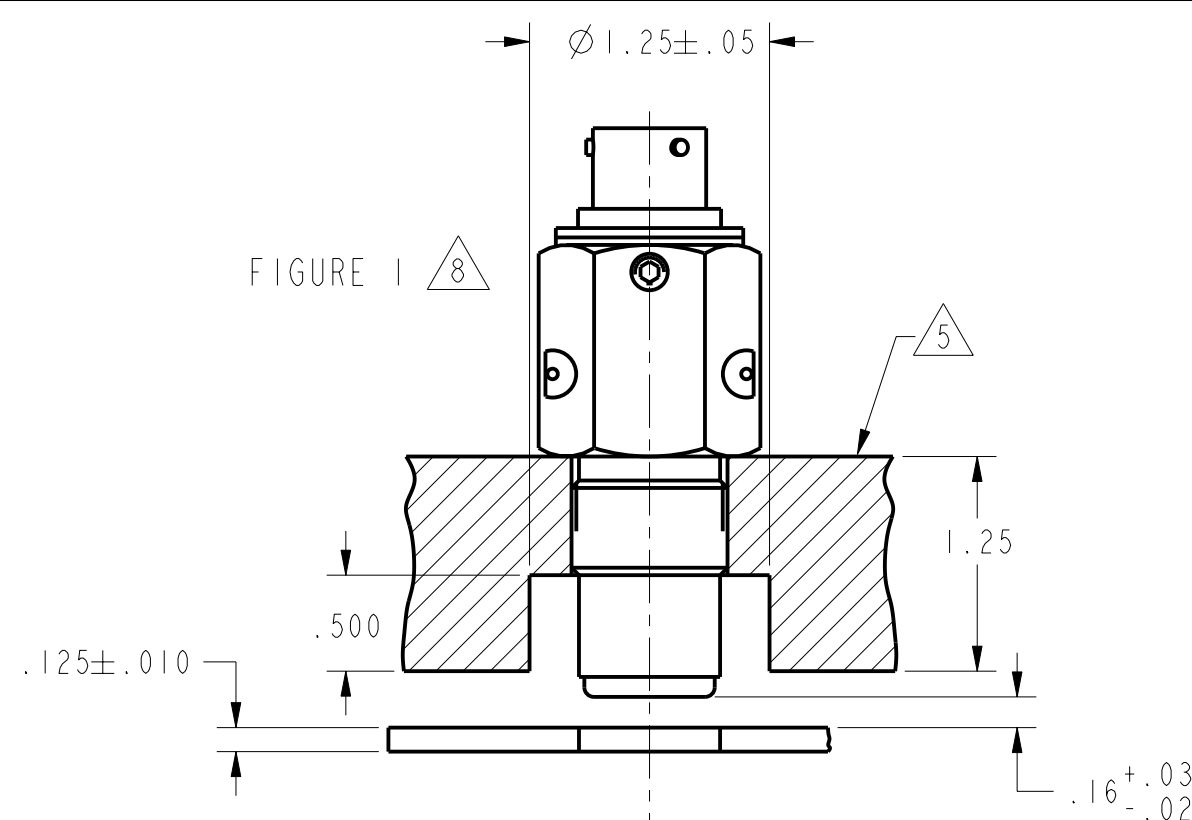
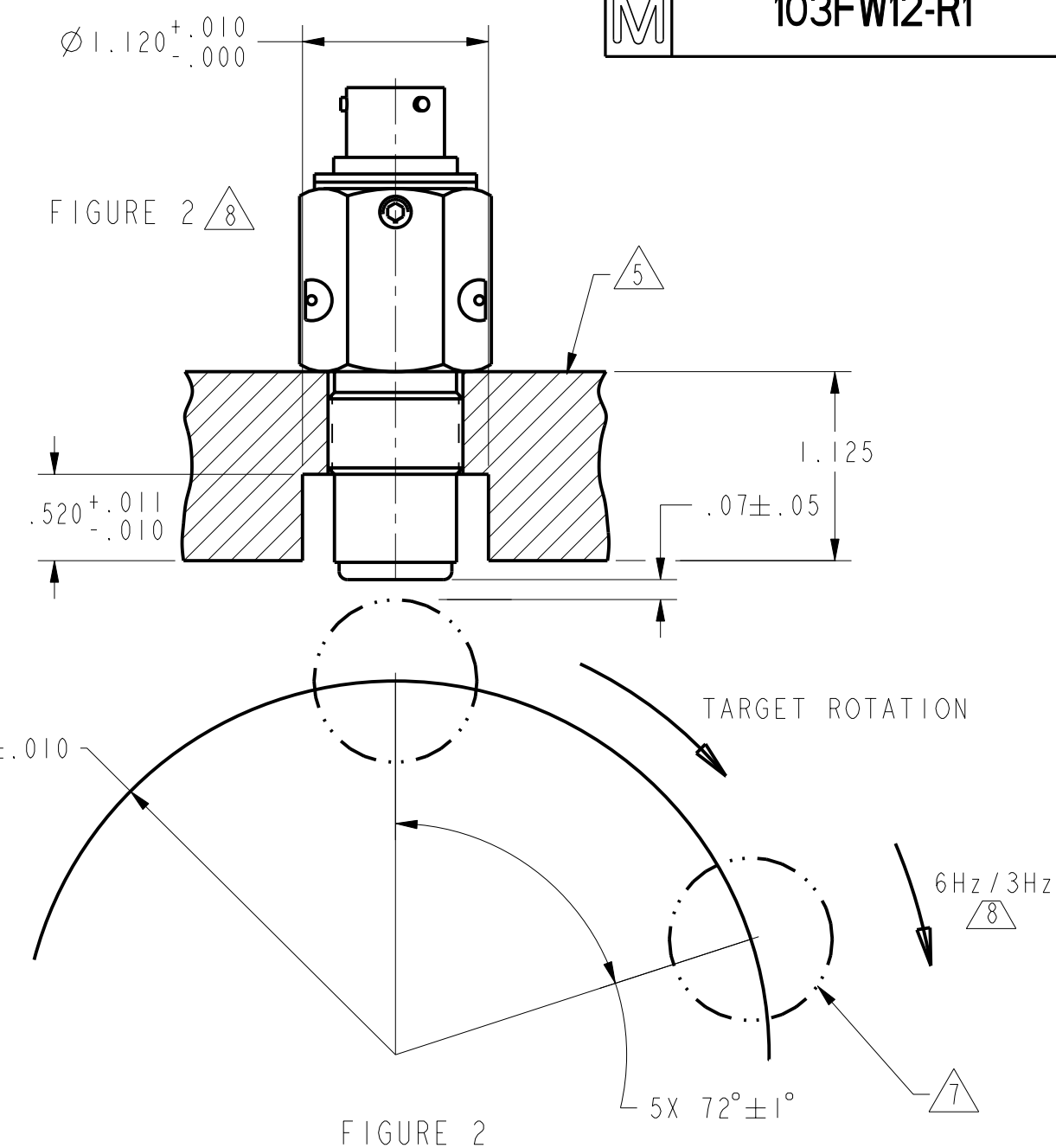


FIGURE 2



R2.500±.010

-A-

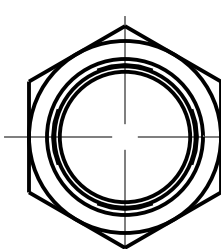
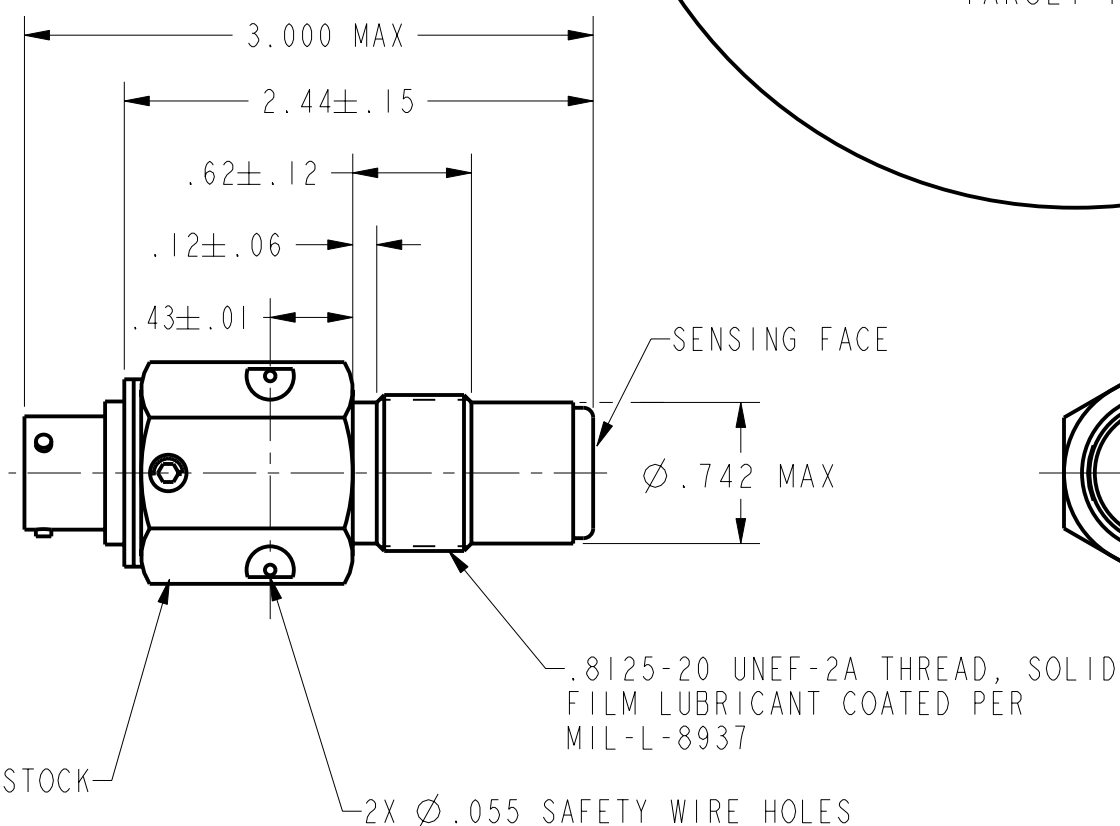
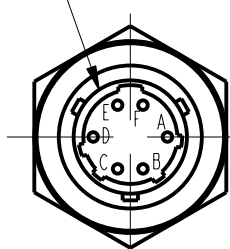
R1.500

Ø1.70±.03 THRU
⊕ Ø.014 AⓂ

TARGET PLATE

FIGURE 1

MATES WITH MS 3116-10-6SW



NOTES

- HOUSING MATERIAL: 300 SERIES STAINLESS STEEL
- "A" SUPPLY VOLTAGE; "B" SUPPLY RETURN; "C" LOAD; "D" SHELL; "E" SHORTED TO "F"
- OPERATING TEMPERATURE: -40°C TO +55°C;
STORAGE TEMPERATURE: -55°C TO +125°C
- SWITCH WILL NOT BE DAMAGED IF OUTPUT TERMINAL IS MISCONNECTED TO +28 VDC OR NEG FOR 30 MIN
- MATERIAL: 17-4PH STEEL
- MATERIAL: 410 OR 416 CRES
- TARGET: Ø.981±.002 X 1.300 LONG CYLINDERS,
MATERIAL: CRS OR AL ALLOY 7075 T651 OR 2024 T351
- COUNT RATE PERFORMANCE:
SWITCH WILL ACCURATELY SENSE TARGETS UNDER THE FOLLOWING CONDITIONS:
FIGURE 1: 15Hz MAX FOR 3 MIN. TEST DURATION AND 30Hz MAX FOR 1 MIN. TEST DURATION
FIGURE 2: 3Hz MAX FOR 3 MIN. TEST DURATION AND 6Hz MAX FOR 1 MIN. TEST DURATION

ENVIRONMENT:

400 Hz INTERFERENCE PER MIL-STD-704
RFI PER MIL-STD-461/462 CS01, RE02, RS02
IR < 10M PIN TO HOUSING MIL-STD-202 METHOD 302 COND B
DIEL MAX LEAK 500µ A LEAD-HOUSING MIL-STD-202 METHOD 301, 500 VAC 60 Hz
VOLTAGE FLUCTUATION...
COUNT RATE 1800 TARGETS/MIN FOR 1 MIN & 900 TARGETS/MIN FOR 3 MIN. AT ROOM TEMP
THERMAL SHOCK MIL-STD-810 METHOD 503.2 PROCEDURE I
HUMIDITY MIL-STD-810 METHOD 502.2 PROCEDURE I NON-OPERATING
SALT SPRAY MIL-STD-810 METHOD 509.2 NON-OPERATING
SAND AND DUST MIL-STD-810 METHOD 510.2 NON-OPERATING
FUNGUS MIL-STD-810 METHOD 508.3 NON-OPERATING
EXPLOSIVE ATMOSPHERE MIL-STD-810 METHOD 511.2 PROCEDURE I
SHOCK MIL-STD-810 METHOD 514.3 CAT 4. 1500G ACCELERATION 1-2ms SAWTOOTH
VIBRATION MIL-STD-810 METHOD 514.3 CAT 4
THERMAL CYCLE SCREENING: TWO CYCLES -40°C TO +85°C

ELECTRICAL PARAMETERS

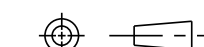
INPUT

VOLTAGE: 18-30 VDC, MIL-STD-704
CURRENT: 25 MA MAX

OUTPUT

TYPE: CURRENT SINK, SPNO, LOAD SHORT PROTECTED
LEAKAGE CURRENT: 10 MICROAMPS MAX (.3 MICROAMPS AT 25°C)
STEADY STATE RATINGS:
RESISTIVE: 100 MILLIAMPS MAX
INDUCTIVE: 100 MILLIAMPS MAX
LOAD VOLTAGE: 30 VDC MAX
SATURATION VOLTAGE: 2.0 VDC MAX

THIRD ANGLE PROJECTION



SCALE FULL

DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE

ONE PLACE	(.0)	±.030
TWO PLACES	(.00)	±.015
THREE PLACES	(.000)	±.005
ANGLES		±

WEIGHT

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FED. MFG. CODE 91929

INTEGRAL
PROXIMITY SWITCH

CATALOG LISTING
103FW12-R1

ANSI Y14.5M-1982 APPLIES