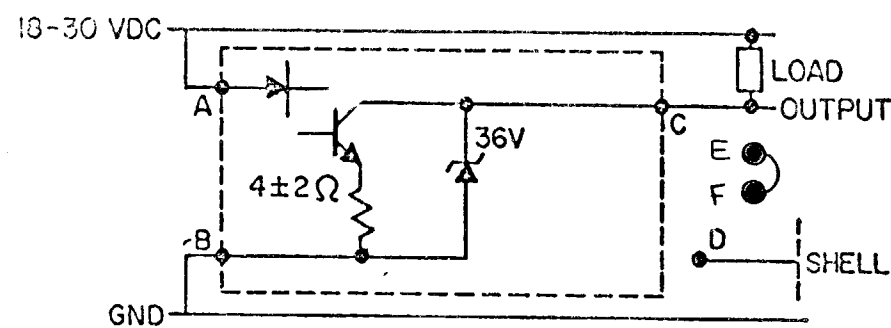


CATALOG LISTING

103FW41-IR1

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INTERFACE SCHEMATIC

ELECTRICAL PARAMETERS

INPUT

VOLTAGE: 18-30 VDC, MIL STD 704

CURRENT: 25 MA MAX

OUTPUT

TYPE: CURRENT SINK, SPNO, LOAD SHORT PROTECTED Δ 5

LEAKAGE CURRENT: 10 MICROAMPS MAX

STEADY STATE RATINGS:

RESISTIVE: 100 MILLIAMPS MAX

INDUCTIVE: 100 MILLIAMPS MAX

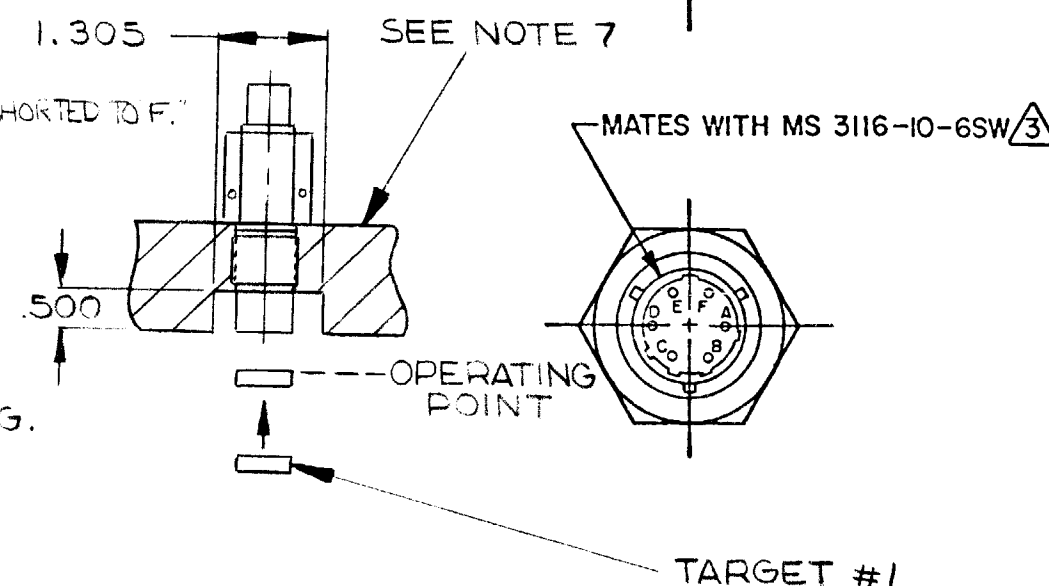
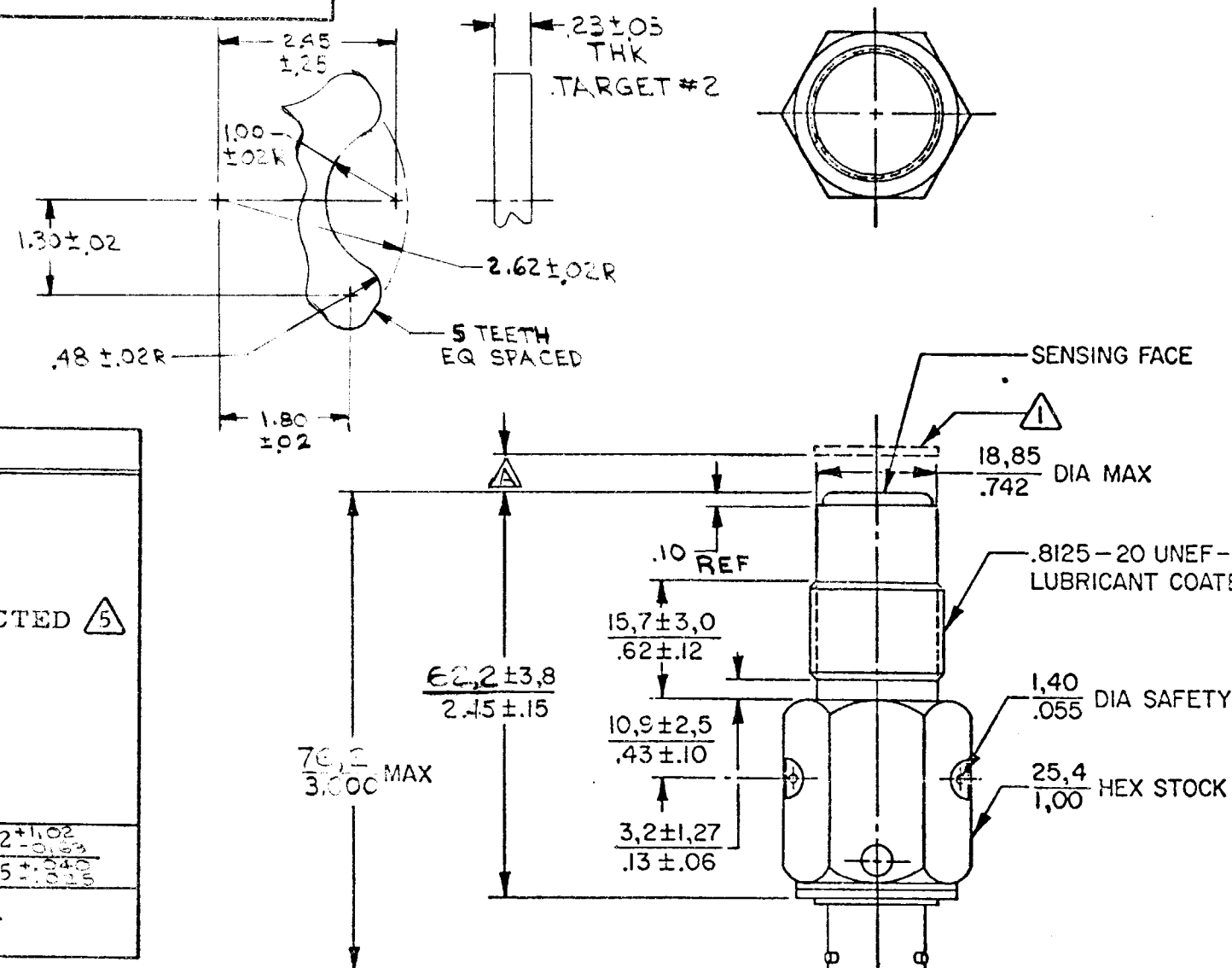
LOAD VOLTAGE: 30 VDC MAX

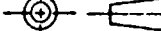
SATURATION VOLTAGE: 2.0 VDC MAX

△ OPERATE POINT (WITH TARGET 100%)	5,72 ^{+1.02} _{-0.85}
	.225 ^{+0.04} _{-0.03}
DIFFERENTIAL TRAVEL-----	0,5
	.02

NOTES:

- NOTES:
- 1 - $\frac{19.05}{.750}$ DIA X $\frac{1.27}{.050}$ THICK SAE 1018 STEEL.
 - 2 - HOUSING MATERIAL - 300-SERIES STAINLESS STEEL
 - 3 - "A" SUPPLY VOLTAGE; "B" SUPPLY RETURN; "C" LOAD; "D" SHELL; "E" SHIELD
 - 4 - TEMPERATURE RANGE: -65°F TO +257°F OPERATING; -65°F TO +160°F STORAGE
 - 5 - SWITCH WILL NOT BE DAMAGED IF OUTPUT TERMINAL IS MISCONNECTED TO +28 VDC OR NEG FOR 30 MIN
 - 6 - MTBF: GREATER THAN 100,000 HOURS
 7. COUNT RATE : GREATER THAN 5000 PULSES/MIN. WITH TARGET #2 AND .140 TO .190 (.165 ± .025) GAP DISTANCE IN SPECIFIED 17-4 PH STEEL MOUNTING.



THIRD ANGLE PROJECTION			
			
SCALE		FULL	
DO NOT SCALE PRINT			
TOLERANCES			
APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE 2			
	DM- mm	TOL mm/in	
NO PLACES	X	1/104	
ONE PLACE	X.X	0.47/018	X X 0.07/03
TWO PLACES	X.XX	0.18/008	X.XX 0.38/01
THREE PLACES			X.XXX 0.13/00
ANGLES			
DESIGN UNITS ☐		SI METRIC ☐	
DESIGN UNITS ☒		US CUSTOMARY ☐	
RAW MATERIAL—COMMERCIAL STANDARD			
MICRO SWITCH STANDARDS APPLY			
DIMENSIONS ARE TO BE MET BEFORE PROTECTIVE COATINGS ARE APPLIED			