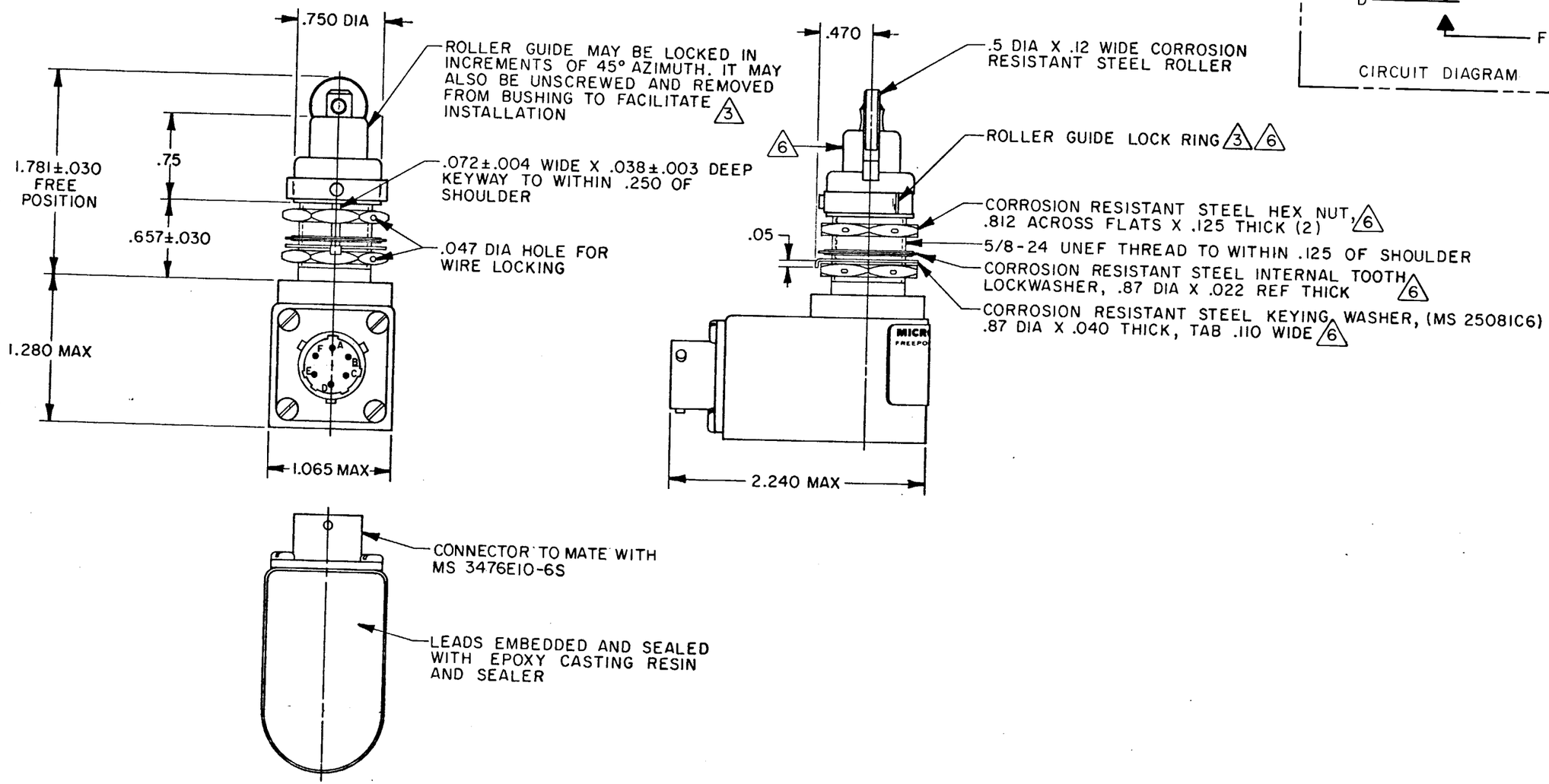
MICRO SWITCH
FREEPORT ILLINOIS, U.S.A.
A DIVISION OF HONEYWELL
FED. MFG. CODE 91929

SWITCH-ENCLOSED

CATALOG LISTING
21EN9-R7



REPLACES	
RELEASE NO.	21EN9-R7
DRAWING NUMBER	M
ISSUE	12 13 14
CHECK	
CHECK	
CHECK	
CHECK	
CHECK	
DRAWN	J A P 11 SEP 79

REVISIONS

A	C044351	J A P 11 SEPT 79
B	C047573 PART 4	R J H 7 AUG 80
C	C048563	G J W 6 FEB 84
D	C068501	TSM 22 FEB 91
E	C071719	LJF 3 JAN 92

FO-52851-A

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THIRD ANGLE PROJECTION

SCALE FULL

DO NOT SCALE PRINT

CHARACTERISTICS

OPERATING FORCE ------ 6-12 LB
FULL OVERTRAVEL FORCE --- 30 LB MAX
RELEASE FORCE ------ 4 LB MIN
PRETRAVEL ------ .040 MAX
DIFFERENTIAL TRAVEL ---- .020 MAX
OVERTRAVEL ------ .250 MIN

ELECTRICAL DATA

CONTACT ARRANGEMENT
S P D T (2)

LOAD	28 VDC SEA LEVEL	28 VDC 50,000 FT.
RES	4	4
IND	2	2
MOTOR	4	

TOLERANCES
APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE ±

	DIM. mm	TOL. mm/in	DIM. in	TOL. mm/in
NO PLACES	X	1/.04		
ONE PLACE	X,X	0.4/.016	X.X	0.8/.03
TWO PLACES	X,XX	0.15/.006	X.XX	0.38/.015
THREE PLACES			X.XXX	0.13/.005
ANGLES				

DESIGN UNITS SI METRIC ☐ US CUSTOMARY ☒

RAW MATERIAL-COMMERCIAL STANDARD
MICRO SWITCH STANDARDS APPLY

DIMENSIONS ARE TO BE MET BEFORE PROTECTIVE COATINGS ARE APPLIED

WEIGHT 6 OZ MAX

NOTES
1 - CORROSION RESISTANT STEEL ENCLOSURE
2 - SWITCH SEALED PER MIL-S-8805 SYMBOL 4
3 TO ADJUST ROLLER DIRECTION, REMOVE ROLLER GUIDE LOCK RING, SCREW ROLLER GUIDE DOWN AS FAR AS POSSIBLE, THEN UNSCREW TO DESIRED DIRECTION. SECURE BY REPLACING ROLLER GUIDE LOCK RING
4 - CIRCUIT DIAGRAM AND CATALOG LISTING ARE SHOWN ON NAMEPLATE
5 - COINCIDENCE OF OPERATING AND RELEASING POINTS: .010 INCH OF PLUNGER TRAVEL
6 HARDWARE MAY BE PACKAGED UNASSEMBLED PER MIL-S-8805