

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

SWITCH - ENCLOSED

CATALOG LISTING
21EN532-R1

21EN532-R1

DRAWING
NUMBER

ISSUE

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

REVISIONS

A

CO44351

J A P

26 OCT 78

B

CO47875

PART 4

RJH

13 AUG 80

C

CO-68547

SAV

15 OCT 90

D

CO68501

TSM

2 JAN 91

E

CO73874

TSM

5 DEC 92

FO-82851-8

DRAWN

J A P

26 OCT 79

CED

30 OCT 79

CHECK

30 OCT 79

CHECK

30 OCT 79

CHECK

30 OCT 79

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30 OCT 79

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30 OCT 79

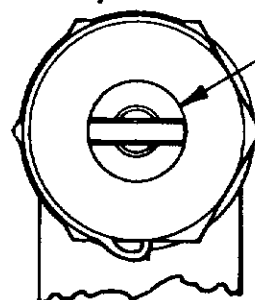
CHECK

30 OCT 79

CHECK

30 OCT 79

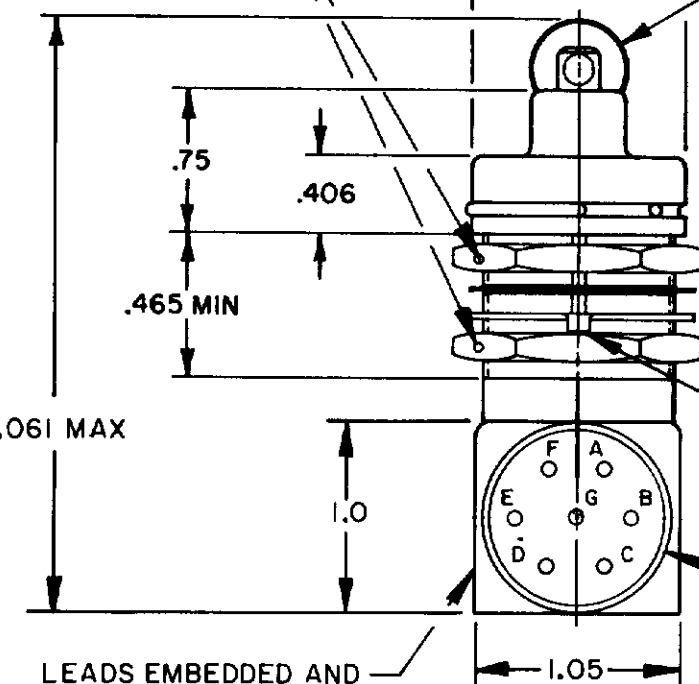
.047 DIA HOLES FOR
WIRE LOCKING



ROLLER GUIDE MAY BE LOCKED
IN INCREMENTS OF 45° AZIMUTH.
ROLLER GUIDE MAY BE UNSCREWED
AND REMOVED FROM BUSHING TO
FACILITATE INSTALLATION. (3)

1.125

.5 DIA X .12 WIDE
CORROSION RESISTANT
STEEL ROLLER



.75

.406

.465 MIN

3.061 MAX

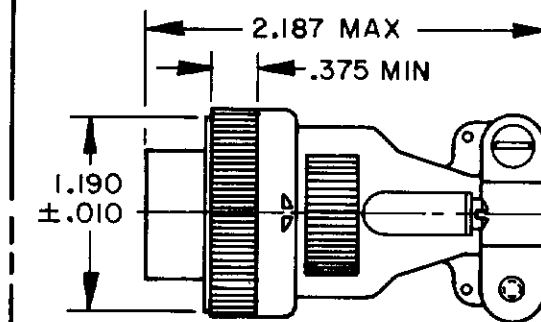
1.0

LEADS EMBEDDED AND
SEALED WITH EPOXY
CASTING RESIN AND
SEALER

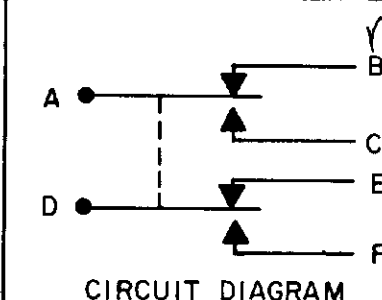
1.05

.072 ± .004 WIDE X .038
± .003 DEEP KEYWAY,
.750 MIN LENGTH

CONNECTOR MATES
WITH MS 3106E-16S-1S



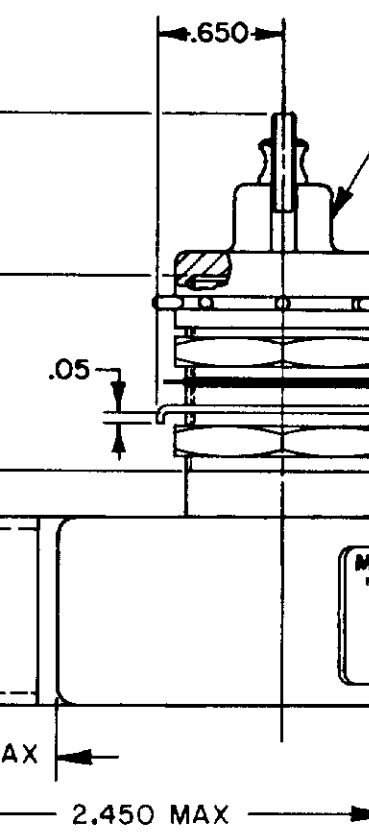
MATING CONNECTOR MS3106E-16S-1S



CIRCUIT DIAGRAM

.781 ± .030
FREE
POSITION

THREADED
BUSHING,
.812 MIN



.650

ROLLER GUIDE LOCK RING (3) (7)

CORROSION RESISTANT STEEL INTERNAL TOOTH
LOCKWASHER, 1.38 DIA X .025 REF THICK (7)

CORROSION RESISTANT STEEL KEYING WASHER (7)
1.22 DIA X .031 THICK, TAB .110 WIDE

CORROSION RESISTANT STEEL HEX NUT (7)
1.125 ACROSS FLATS X .15 THICK (2)

1-20 UNEF THREAD

.844 MAX

2.450 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 - COINCIDENCE OF OPERATING AND RELEASING POINTS: .010 OF PLUNGER TRAVEL
- 5 - CIRCUIT DIAGRAM AND CATALOG LISTING ARE SHOWN ON NAMEPLATE
- (6) FURNISHED UNASSEMBLED WITH EACH UNIT
- (7) HARDWARE MAY BE PACKAGED UNASSEMBLED PER MIL-S-8805

THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH A DIVISION OF HONEYWELL THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH

CHARACTERISTICS		ELECTRICAL DATA	
OPERATING FORCE ----- 3-6 LB		CONTACT ARRANGEMENT	
FULL OVERTRAVEL FORCE ----- 17 LB MAX		S P D T (2)	
RELEASE FORCE ----- 2 LB MIN		28 VDC	
PRETRAVEL ----- .040 MAX		LOAD	SEA LEVEL 50,000 FT.
DIFFERENTIAL TRAVEL ----- .020 MAX		RES	5
OVERTRAVEL ----- .250 MIN		IND	3
		MOTOR	4
		LAMP	

SCALE FULL	
DO NOT SCALE PRINT	
TOLERANCES	
APPLY TO DESIGN UNITS CONVERSIONS ARE ONLY FOR REFERENCE UNLESS NOTED TOLERANCES ARE 2	
NO PLACES	TOL
ONE PLACE	17.04
TWO PLACES	0.01018
THREE PLACES	0.001018
FOUR PLACES	0.0001018
DESIGN UNITS	US CUSTOMARY
INCHES	INCHES
MILLIMETERS	MILLIMETERS
THIRD ANGLE PROJECTION	
WEIGHT	

Mouser Electronics

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