

FED. MFG. CODE 91929

CATALOG LISTING
21EN90-R1

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REVISIONS	
A	PR- 23464
J J A	28 APR 98

[illegible]DDM/CAD
DRAWN

RELEASE NO. PR-23464	REPLACES
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J J A 28 APR 93

Technical drawing of a Micro Switch assembly. The drawing includes a side view and a front view. The side view shows the following dimensions:

- Top diameter: $\varnothing 1.125$
- Top section height: .75
- Section height below top: .406
- Section height below that: .465 MIN
- Overall height: 4.500 MAX

The front view shows the following dimensions:

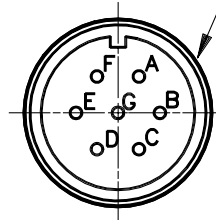
- Bottom diameter: $\varnothing 1.0$

Keyway dimensions: .072 $\pm$.004 WIDE X ∇ .038 $\pm$.003 KEYWAY, .750 MINIMUM LENGTH

Hole dimension: $\varnothing .047$ HOLE FOR WIRE LOCKING

Label: MICRO SWITCH
FREEPORT, ILL, U.S.A.

—CONNECTOR MATES
WITH MS 3106E-16S-1S



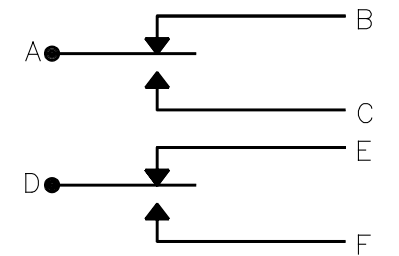
Technical drawing of the roller guide assembly. The drawing shows a cross-section of the assembly with various dimensions and component callouts. The dimensions are as follows:

- Overall width: .650
- Free position height: .781 ± .030
- Min threaded bushing height: .812 MIN
- Lock ring thickness: .05

The components and their specifications are:

- Ø .5 X .12 WIDE CORROSION RESISTANT STEEL ROLLER
- ROLLER GUIDE MAY BE LOCKED IN INCREMENTS OF 45° AZIMUTH. IT MAY ALSO BE UNSCREWED AND REMOVED FROM BUSHING TO FACILITATE INSTALLATION (3/5)
- ROLLER GUIDE LOCK RING (5)
- 2X CORROSION RESISTANT STEEL HEX NUT 1.125 ACROSS FLATS X .15 THICK (5)
- CORROSION RESISTANT STEEL INTERNAL TOOTH LOCKWASHER Ø1.38 X (.025) THICK (5)
- CORROSION RESISTANT STEEL KEYING WASHER Ø 1.22 X .031 THICK, TAB .110 WIDE (5)
- 1-20 UNEF THREAD

The drawing also includes a label "TCH U.S.A." on the left side of the assembly.



CIRCUIT DIAGRAM

1 - ALL EXTERNAL PARTS ARE MADE OF OR TREATED WITH CORROSION
RESISTANT MATERIAL

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

5 - HARDWARE MAY BE PACKAGED UNASSEMBLED PER MIL-S-8805
6 - ENCLOSURE FINISHED WITH GREEN EPOXY BASED ENAMEL COLOR
NO.34151 PER FEDERAL STANDARD 595

8 BASIC SWITCHES HAVE GOLD CONTACTS

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 2X S P D T		
LOAD	28 VDC 	
	SEA LEVEL	50,000 FT.
RES	1 AMP	1 AMP
IND	0.5 AMP	0.5 AMP

SCALE	FULL
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DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED
TOLERANCES ARE

ONE PLACE	(.0)	$\pm .030$
TWO PLACE	(.00)	$\pm .015$
THREE PLACE	(.000)	$\pm .005$
ANGLES		$\pm$

WEIGHT 8 OZ MAX

ANSI Y14.5M-1982 APPLIES