

FED. MFG. CODE 91929

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RELEASE NO. PR-23464	REPLACES
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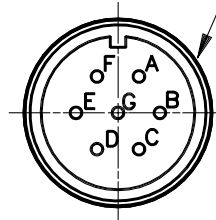
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4.500 MAX

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

—CONNECTOR MATES
WITH MS 3106E-16S-1S



Technical drawing of a roller guide assembly. The drawing shows a side view of the assembly with various components labeled and dimensions provided.

Dimensions:

- Overall width: .650
- Roller diameter: $\varnothing .5$
- Roller guide lock ring thickness: .05
- Roller guide lock ring height: .812 MIN
- Roller guide lock ring height tolerance: $\pm .030$
- Roller guide lock ring height position: FREE POSITION

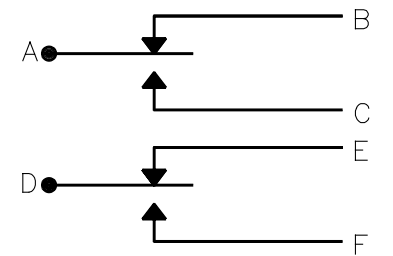
Callouts:

- $\varnothing .5$ 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
- ROLLER GUIDE LOCK RING
- 2X CORROSION RESISTANT STEEL HEX NUT 1.125 ACROSS FLATS X .15 THICK
- CORROSION RESISTANT STEEL INTERNAL TOOTH LOCKWASHER $\varnothing 1.38$ X (.025) THICK
- CORROSION RESISTANT STEEL KEYING WASHER $\varnothing 1.22$ X .031 THICK, TAB .110 WIDE
- 1-20 UNEF THREAD

Notes:

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Manufacturer: TCH U.S.A.



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

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