

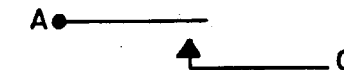
**MICRO SWITCH**

FREEPORT ILLINOIS U S A  
A DIVISION OF HONEYWELL

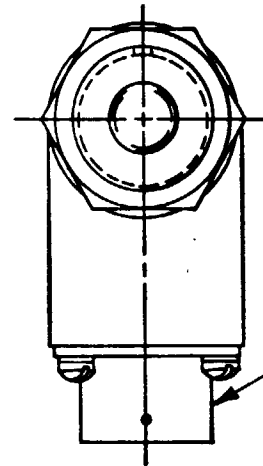
FED. MFG. CODE 91929

**SWITCH-ENCLOSED**

CATALOG LISTING  
**12HR11-R1**



CIRCUIT DIAGRAM



BENDIX SCINTILLA PART  
NO. PT02H-10-6PW  
OR EQUIVALENT

.047 DIA HOLE FOR  
WIRE LOCKING

.375 DIA

.47 SPHERICAL RADIUS

1.675 ± .030  
FREE  
POSITION

1.3

1.300 MAX

1.0

LEADS EMBEDDED AND SEALED WITH  
SILICONE POTTING MATERIAL

1.05

CORROSION RESISTANT STEEL PLUNGER  
3/4-20 UNEF THREAD TO WITHIN .150  
OF SHOULDER

HEX NUT .938 ACROSS FLATS X .12  
THICK (2) 6

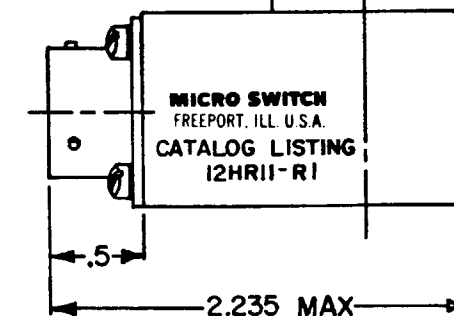
INTERNAL TOOTH LOCKWASHER 1.06  
DIA X .022 REF THICK 6

KEYING WASHER .98 DIA X .031 THICK,  
TAB .110 WIDE 6

.072 ± .004 WIDE X .044 ± .003  
DEEP KEYWAY TO WITHIN .250  
OF SHOULDER

.528

.05



MICRO SWITCH  
FREEPORT, ILL. U.S.A.  
CATALOG LISTING  
12HR11-R1

2.235 MAX

NOTES

- 1 SWITCH SEALED PER MIL-S-8805 SWITCH CHAMBER. WATERTIGHT TEST NOT APPLICABLE
- 2 ALL EXPOSED PARTS ARE CORROSION RESISTANT OR SUITABLY PLATED TO WITHSTAND CORROSION
- 3 CIRCUIT DIAGRAM PERMANENTLY MARKED ON SWITCH HOUSING
- 4 RECEPTACLE PIN IDENTIFICATION IS SHOWN ON CIRCUIT DIAGRAM
- 5 SWITCH WILL OPERATE SATISFACTORILY IN TEMPERATURES FROM -85°F TO +400°F
- 6 HARDWARE MAY BE PACKAGED UNASSEMBLED PER MIL-S-8805



M 12HR11-R1  
 DRAWING NUMBER  
 ISSUE 9  
 REVISIONS  
 A PR2664  
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 13 JUN 80  
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 J A P  
 8 JAN 81  
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 15 NOV 83  
 D CO59096  
 TSK  
 14 NOV 86  
 E CO69306  
 SAV  
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 CHECK  
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THIRD ANGLE PROJECTION

SCALE FULL

DO NOT SCALE PRINT

CHARACTERISTICS	
OPERATING FORCE	6-12 LB
FULL OVERTRAVEL FORCE	35 LB MAX
RELEASE FORCE	5 LB MIN
PRETRAVEL	.050 MAX
DIFFERENTIAL TRAVEL	.015 MAX
OVERTRAVEL	.250 MIN

ELECTRICAL DATA	
CONTACT ARRANGEMENT	
S PNO (1)	
	28 VDC SEA LEVEL
	28 VDC 50,000 FT
RES	5
IND	2

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE	
ONE PLACE	(.0) ± .030
TWO PLACE	(.00) ± .015
THREE PLACE	(.000) ± .005
ANGLES	±

RAW MATERIAL-COMMERCIAL STANDARD  
MICRO SWITCH STANDARDS APPLY  
DIMENSIONS ARE TO BE MET BEFORE  
PROTECTIVE COATINGS ARE APPLIED

WEIGHT 6 OZ APPROX

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