

MICRO SWITCH

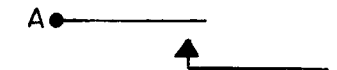
FREEPORT, ILLINOIS U.S.A.
A DIVISION OF HONEYWELL

FED. MFG. CODE 91929

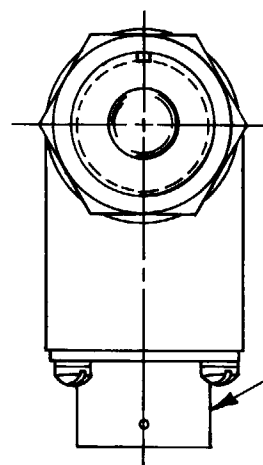
SWITCH-ENCLOSED

CATALOG LISTING

12HR11-R



CIRCUIT DIAGRAM



CONNECTOR TO MATE WITH
MS 3476E10-6S

.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

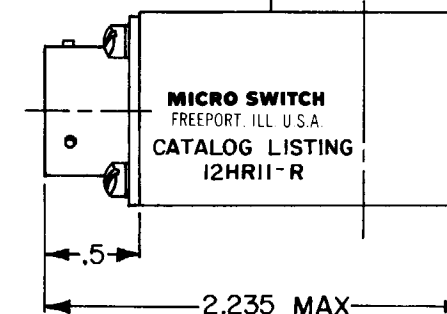
INTERNAL TOOTH LOCKWASHER 1.06
DIA X .022 REF THICK 6

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



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.5

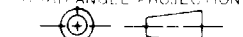
2.235 MAX

NOTES

- 1 ALL EXPOSED PARTS ARE CORROSION RESISTANT OR SUITABLY PLATED TO WITHSTAND CORROSION
- 2 SWITCH SEALED PER MIL-S-8805 SYMBOL 5 SWITCH CHAMBER. WATERTIGHT TEST NOT APPLICABLE
- 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

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OF MICRO SWITCH, A DIVISION OF HONEYWELL. THIS DRAWING IS NOT
TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH.

THIRD ANGLE PROJECTION



SCALE FULL

DO NOT SCALE PRINT

TOLERANCES

APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR
REFERENCE. UNLESS NOTED, TOLERANCES ARE 2

	DIM. in.	TOL. mm/in.	DIM. in.	TOL. mm/in.
NO PLACES	X	1/64	X	0.87/03
ONE PLACE	X.X	0.4/016	X.X	0.38/016
TWO PLACES	X.XX	0.15/006	X.XX	0.13/005
THREE PLACES	X.XXX		X.XXX	

DESIGN UNITS ☐ SI METRIC ☒ U.S. CUSTOMARY

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

WEIGHT 6 OZ APPROX

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 P N O (1)

28 VDC
SEA LEVEL

28 VDC
50,000 FT

RES 5
IND 2

M 12HR11-R

DRAWING
NUMBER

X

X

ISSUE

9

REVISIONS

A PR8664

W J M

13 JUN 80

B C047277

J A P

8 JAN 81

C C054204

G J W

15 NOV 83

D C071719

L J F

3 JAN 92

CHECK

18 JUNE 80

C E B

CHECK

13 JUN 80

W J M

DRAWN

FO-5285 1-A