

MICRO SWITCH

FREEPORT ILLINOIS, U.S.A
A DIVISION OF HONEYWELL INC.
FED. MFG. CODE 91929

SWITCH-BASIC

CATALOG LISTING

10HM1-1

10HM1-1

PAGE 1 OF 1

M

DRAWING
NUMBER

ISSUE
3

REPLACES

PR-13412

RELEASE NO.

CHECK

CHECK

84

84

84

84

84

84

84

84

84

FORMTEK

FO-52848-B

WOBBLEFRAM ACTUATOR SEAL

.250 ± .010

.030 MAX
PRETRAVEL

.296 ± .015

.090 MAX DIA
MTG HOLE

.33
OPERATING
POSITION

.090 MAX

ELONGATED MTG HOLE

.24

.29

.425 MAX

12.000 MIN

(3) NO. 22 WIRE LEAD PER
MIL-W-22759/11
MARKED WITH CIRCUIT IDENT
AND WIRE GAGE (C-22, NO-22,
NC-22) PER MIL-W-5088

.375

.207 ± .010

.789 ± .010

.160 REF

.320 REF

.600 REF

.03 SPHERICAL
RADIUS

EPOXY EMBEDMENT

METAL TERMINAL GUARD

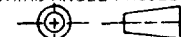
.250 REF

NOTES

- 1 MOUNTING HOLES WILL ACCEPT PINS OR SCREWS OF .087 MAX DIA ON .375 ± .002 CENTERS
- 2 - FOR USE IN TEMPERATURE RANGE -85°F TO +250°F (DOWN TO -300°F IF WIRE LEADS ARE NOT FLEXED)
- 3 - HERMETICALLY SEALED (METAL-TO-METAL, GLASS-TO-METAL)
- 4 - ALL EXPOSED PARTS ARE OF CORROSION RESISTANT MATERIALS
- 5 WEIGHT OF SWITCH ONLY IS 0.22 OZ MAX WEIGHT OF CONDUCTOR GROUP ONLY IS 0.20 OZ MAX PER FOOT
- 6 - DO NOT APPLY MORE THAN 1 1/2 INCH-LBS OF TORQUE WHEN TIGHTENING MOUNTING SCREWS
- 7 - 24K GOLD MOVABLE CONTACT
- 8 - GOLD ALLOY STATIONARY CONTACTS

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THIRD ANGLE PROJECTION



CHARACTERISTICS

OPERATING FORCE-----7 OZ MAX

RELEASE FORCE-----1 OZ MIN

DIFFERENTIAL TRAVEL-----.006 MAX

OVERTRAVEL-----.003 MIN

ELECTRICAL DATA

CONTACT ARRANGEMENT
S P D T

28 VOLTS DC RATING

INDUCTIVE ---- SEA LEVEL-----1/4 AMP
70,000 FT-----1/4 AMP
RESISTIVE ---- SEA LEVEL-----1/2 AMP
70,000 FT-----1/2 AMP

SCALE 2:1

DO NOT
SCALE PRINT

UNLESS OTHERWISE SPECIFIED
TOLERANCES ARE

ONE PLACE (.0) ± .030

TWO PLACE (.00) ± .015

THREE PLACE (.000) ± .005

ANGLES ±

RAW MATERIAL - COMMERCIAL STANDARD

DIMENSIONS ARE IN INCHES AND ARE
TO BE MET BEFORE PROTECTIVE
COATINGS ARE APPLIED

MICRO SWITCH STANDARDS APPLY

WEIGHT 5