

1HE101-RB

M

DRAWING NUMBER

5

ISSUE

RELEASE NO. PR-7404

REPLACES X42205-HE

MICRO SWITCH

FREEPORT, ILLINOIS U.S.A.

A DIVISION OF HONEYWELL

FED. MFG. CODE 91929

SWITCH-ENCLOSED

CATALOG LISTING

1HE101 - RB

4.000 ± .030

FREE POSITION

3.655 ± .030

1.695 ± .060

1.400 ± .060

.470 ± .030 SPHERICAL RADIUS

.250 DIA

1.000 ± .020

1.060

1.375 ± .010

3/8 - 12 UNF-2A THREAD

THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY 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

CHARACTERISTICS

OPERATING FORCE ——— 60-80 LB

PRETRAVEL ——— .040 MAX

DIFFERENTIAL TRAVEL ——— .020 MAX

OVERTRAVEL ——— .250 MIN

ELECTRICAL DATA

CONTACT ARRANGEMENT

SPDT

28 VDC

SEA LEVEL

28 VDC

100,000 FT.

RES

5

IND

3

MOTOR

4

SCALE FULL

DO NOT SCALE PRINT

TOLERANCES

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

DIM. mm

TOL. mm/in

DIM. in

TOL. mm/in

NO PLACES

X

1/204

X X

0.4/016

X XX

0.8/03

ONE PLACE

X, X

0.4/016

X, XX

0.38/015

TWO PLACES

X, XX

0.15/006

X, XXX

0.13/005

THREE PLACES

X, XXX

0.13/005

ANGLES

SI METRIC

US CUSTOMARY

DESIGN UNITS

RAW MATERIAL—COMMERCIAL STANDARD

MICRO SWITCH STANDARDS APPLY

DIMENSIONS ARE TO BE MET BEFORE PROTECTIVE COATINGS ARE APPLIED

WEIGHT

REVISIONS

A

NEW DWG

PR 7404

TRF

1 OCT 78

B

CO

50132

WJM

22 SEP 81

FO-92851-A

DRAWN

TRF

1 OCT 78

CHECK

CEB

12 OCT 78

CHECK

D

B

A

PINS C, E, F, G AND H NOT USED

CIRCUIT DIAGRAM

3/4 - 20 UNEF 2A THREAD TO WITHIN .125 OF SHOULDER (MAJOR DIA .7406 - .7487)

CONNECTOR PER MIL-C-24217 MODIFIED. MADE BY D. G. O'BRIEN 104 SERIES 8 PIN RECEPTACLE

NOTES

1 - SWITCH SEALED PER MIL-S-8805 SYMBOLS

2 - CIRCUIT DIAGRAM AND CATALOG LISTING 1HE101-RB PERMANENTLY MARKED ON SIDE OF HOUSING

3 - ALL EXPOSED PARTS MONEL

4 - 1.060 ± .010 TIR WITH MAJOR DIA OF 3/4-20 THREAD

5 - UNIT TO WITHSTAND 1000 PSIG HYDRO TEST 8 TO 10 MIN. WITHOUT DAMAGE TO SWITCH OR SIGNS OF LEAKAGE

6 - AFTER IMMERSION FOR 8 TO 10 MIN. AT 1000 PSIG, INSULATION RESISTANCE MUST BE 100 MEGOHMS AT 500 VDC

7 - SERIAL NUMBER STAMPED ON SIDE OF SWITCH