

FED. MFG. CODE 91828

CATALOG LISTING
602EN196-B

CATALOG LISTING

Technical drawing of a Micro Switch, Model 100, showing dimensions and features. The drawing includes the following specifications:

- SR .47**: Dimension for the top screw.
- Ø.250**: Dimension for the top screw hole diameter.
- .875 ± .030**: Dimension for the top section height.
- FREE POSITION**: Label for the top section.
- .625 ± .030**: Dimension for the middle section height.
- 1.365 MAX**: Maximum dimension for the main body height.
- △ 8**: Feature control symbol for surface texture.
- 28.000 MIN**: Minimum dimension for the bottom section height.
- .375 ± .030**: Dimension for the bottom section height.
- .50^{+ .25}_{-.00}**: Dimension for the bottom section height with tolerance.
- △ 8**: Feature control symbol for surface texture.
- MICRO SWITCH**: Text on the main body.
- REEXPORT, ILL. U.S.**: Text on the main body.

.072±.004 WIDE X ∇ .031±.003
KEYWAY TO WITHIN .250 OF SHOULDER

Technical drawing of a locking ring. The drawing shows a cross-section of the ring with the following dimensions and features:

- Overall Diameter:** $\varnothing .72$
- Inner Diameter:** $.392$
- Keyway Width:** $.110$
- Keyway Depth:** Indicated by a dimension line from the top surface to the bottom of the keyway.
- Surface Texture:** A symbol indicating a surface texture of 6 is shown on the top surface of the ring.
- Fit:** The text "DIMENSION TO FIT KEYWAY IN BUSHING" is present, indicating the keyway dimensions are for a specific fit.

CIRCUIT DIAGRAM

— CORROSION RESISTANT STEEL
PLUNGER AND BUSHING

— 15/32-32 UNS THREAD TO
WITHIN .093 OF SHOULDER

—4X NO. 20 WIRE LEAD PER BMS 13-31
MARKED WITH CIRCUIT IDENTIFICATION
AND WIRE GAGE (1-20, 2-20, ETC) PER
MIL-W-5088

NOTES

NOTES

- 1 - CORROSION RESISTANT STEEL ENCLOSURE
- 2 - SWITCH SEALED PER MIL-S-8805 SYMBOL 4
- 3 - CIRCUIT DIAGRAM, CAT. LIST. AND DATE CODE ARE PERMANENTLY MARKED ON SWITCH
- 4 - COINCIDENCE OF OPERATING AND RELEASING POINTS:

5 - SWITCH HAS "EP" O-RING
 6 - FURNISHED UNASSEMBLED
 7 - BOTTOM OF SWITCH COATED WITH RESILIENT POTTING
 ^ MATERIAL

8 MATERIAL
THIS DIMENSION EXCLUDES THE RESILIENT POTTING MATERIAL
ON THE BOTTOM OF THE SWITCH

ANSI Y14.5M-1982 APPLIES

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

SCALE FULL

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 -----.125 MIN

ELECTRICAL DATA

CONTACT ARRANGEMENT

2X S P N O

LOAD

28 VDC

RES

SEA LEVEL	
5	

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	1/64		
ONE PLACE	X,X	0.4/.016	X,X	0.8/.03
TWO PLACES	X,XX	0.15/.006	X,XX	0.38/.01
THREE PLACES			X,XXX	0.13/.001

DESIGN UNITS

RAW MATERIAL—COMMERCIAL STANDARD
MICRO SWITCH STANDARDS APPLY

DIMENSIONS ARE TO BE MET BEFORE
PROTECTIVE COATINGS ARE APPLIED

WEIGHT 4.5 OZ MAX