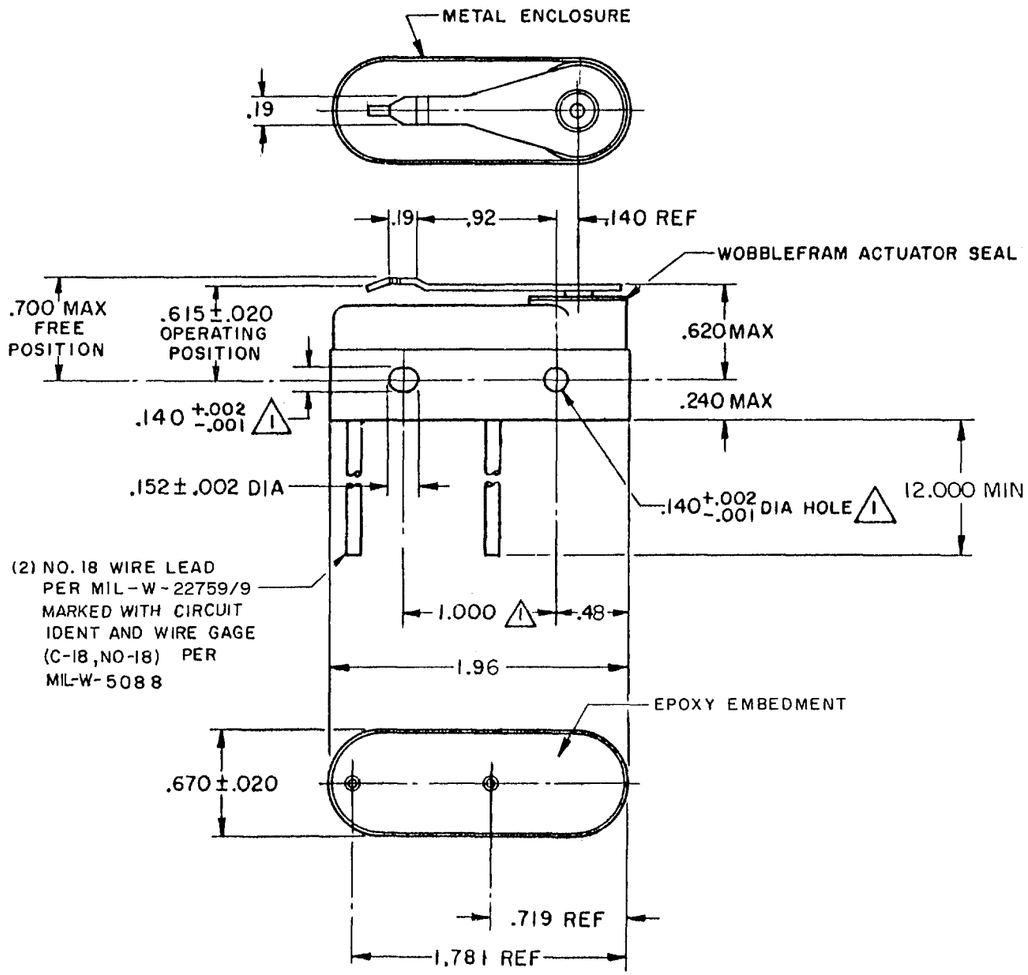
MICRO SWITCH
a Honeywell Division
FED. MFG. CODE 91929

SWITCH–BASIC

CATALOG LISTING
4HS9-118



NOTES
1. MOUNTING HOLES WILL ACCEPT PINS OR SCREWS OF Ø.139 MAX ON 1.000±.002 CENTERS
2. LIFE RATINGS PER MIL–S–8805 REQUIREMENTS. ACTUAL LIFE EXCEEDS RATED LIFE. CONTACT HONEYWELL – MICRO SWITCH FOR ADDITIONAL DATA

SPECIFICATION DETAILS:

STANDARD:	CONFORMS TO MS25011–2 (MIL–S–8805/47), EXCEPT AS NOTED
CONSTRUCTION:	
ENCLOSURE DESIGN	HERMETIC SEAL PER MIS–S–8805, SYMBOL 5
CONTACT MATERIAL & CONFIGURATION	SMOOTH SILVER CONTACTS
CIRCUIT CONFIGURATION	S.P.N.O.
TERMINATION	LEADWIRES PER MIL-W- **22759/9**
WEIGHT	2.0 OZ MAX
EXPOSED METALS	CORROSION RESISTANT STAINLESS STEEL **(ENCLOSURE SOLDER PLATED)**
ELECTRICAL CHARACTERISTICS:	
ELECTRICAL RATINGS	VOLTAGE / INDUCTIVE LOAD / RESISTIVE LOAD
–SEA LEVEL	28 VDC / 8 AMP / 15 AMP
–70,000 FEET	28 VDC / 8 AMP / 15 AMP
DIELECTRIC STRENGTH & INSULATION RESISTANCE	DIELECTRIC STRENGTH (≈60 HZ, FOR 5 SECONDS) / INSULATION RESISTANCE (500 VDC ±10%)
–BETWEEN TERMINALS AND EXPOSED NON–CURRENT CARRYING METAL	1000 Vrms, 500 μA (MAX LEAKAGE) / 1000 Megaohm MIN
–BETWEEN TERMINALS OF MUTUALLY INSULATED CIRCUITS	1000 Vrms, 500 μA (MAX LEAKAGE) / 1000 Megaohm MIN
–BETWEEN ALL UNCONNECTED TERMINALS OF THE SAME POLE	1000 Vrms, 500 μA (MAX LEAKAGE) / 1000 Megaohm MIN
SWITCH RESISTANCE	N/A
MECHANICAL CHARACTERISTICS:	
CHARACTERISTICS:	
OPERATING FORCE	10–22 OZ
RELEASE FORCE	4 OZ MIN
DIFFERENTIAL TRAVEL	.020 MAX
FREE POSITION	.700 MAX
OVERTRAVEL	.010 MIN
PRETRAVEL	.065 MAX
MOUNTING STRENGTH	10 IN LBS
ACTUATOR STRENGTH	3 LBS APPLIED IN A DIRECTION TO CAUSE SWITCH ACTUATION
LIFE:	
MECHANICAL	25,000 MIN, PER MIL–S–8805/47 2
ELECTRICAL AT FULL RATED LOAD	10,000 MIN, PER MIL–S–8805/47 2
ENVIRONMENTAL:	
TEMPERATURE RANGE	–55°C TO +121°C
ALTITUDE RANGE	SEA LEVEL TO 70,000 FEET
SHOCK	PER MIL–S–8805, SYMBOL M – 100g
VIBRATION	PER MIL–S–8805, SYMBOL I – 10–500Hz & 10g peak
MOISTURE RESISTANCE	PER MIL–S–8805
THERMAL SHOCK	PER MIL–S–8805
SALT SPRAY	PER MIL–S–8805

THIRD ANGLE PROJECTION
SCALE FULL
DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE

ONE PLACE	(.0)	±.030
TWO PLACE	(.00)	±.015
THREE PLACE	(.000)	±.005
ANGLES		±

WEIGHT 2

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REVISIONS

A	CO-83051	GJW 15 MAY 96
B	CO-83283	TSM 10 JUN 96
C	CO-94122	TSM 12 MAR 99

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