

1 TO TEST THE SWITCH AGAINST THE SPECIFIED OPERATING CHARACTERISTICS THE SWITCH MUST BE PLACED IN A HELMHOLTZ COIL FIELD AND GIVEN THE FOLLOWING HISTORY: 35 GAUSS MINIMUM IN DIRECTION "A": 35 GAUSS MINIMUM IN DIRECTION "B" TEST TO THE OPERATING CHARACTERISTICS IN DIRECTION "B" (THIS ASSUMES THE CONVENTION THAT THE DIRECTION OF THE EXTERNAL FLUX OF A MAGNET IS FROM THE NORTH TO THE SOUTH POLE OF A MAGNET)
THE SWITCH WILL OPERATE WITH THE FLUX FROM EITHER POLE OF A MAGNET

WHEN APPLIED IN THE DIRECTION AND LOCATION SHOWN AT SUPPLY VOLTAGE OF 6 TO 24 VDC AND OVER THE TEMPERATURE RANGE SPECIFIED AT 24° ± 2° C, AND 16 VDC±0.5% SUPPLY VOLTAGE

INTEGRATED CIRCUIT PLACEMENT TOLERANCE

PROTECTIVE HARD OVERCOAT

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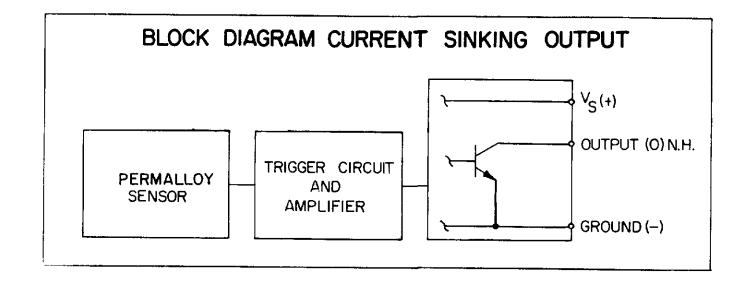
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FORMTEK

SOLDER TERMINALS USING 60/40 ROSIN CORE SOLDER EMPLOYING A 750°F CONTROLLED TEMPERATURE 1/8 INCH CHISEL TIP SOLDERING IRON. CAUTION: THE SOLDER TIP SHOULD NEVER BE HELD ON THE TERMINAL FOR OVER 4 SECONDS IN ORDER TO AVOID DELAMINATION OF THE TERMINALS FROM THE CERAMIC

ABSOLUTE MAXIMUM RATINGS ARE THE EXTREME LIMITS THAT THE DEVICE WILL WITHSTAND WITHOUT DAMAGE TO THE DEVICE. HOWEVER, THE ELECTRICAL AND MAGNETIC CHARACTERISTICS ARE NOT GUARANTEED AS THE MAXIMUM LIMITS (ABOVE RECOMMENDED OPERATING CONDITIONS) ARE APPROACHED NOR WILL THE DEVICE NECESSARILY OPERATE AT ABSOLUTE MAXIMUM RATING

THE MAGNETIC CHARACTERISTICS OF THE SWITCH MAY BE AFFECTED BY STRAY MAGNETIC FIELDS



MAGNETIC CHARACTERISTICS 3 /9					
TEMPERATURE RANGE	-20°C TO 85°C				
	MIN	MAX			
OPERATE GAUSS	9	25			
RELEASE GAUSS	5	23			
DIFF GAUSS	2	7			

ABSOLUTE MAXIMUM RATING /8\

SUPPLY VOLTAGE (VS)	6 TO 24 VOLTS DC
VOLTAGE EXTERNALLY APPLIED TO OUTPUT	+24.0 VDC MAX WITH SWITCH IN "OFF" CONDITION CNLY -0.5 VOLTS MIN WITH SWITCH IN "OFF" OR "ON" CONDITION
OUTPUT CURRENT	20 mA
TEMPERATURE	-40°C TO 150°C
MAGNETIC FLUX	NO LIMIT, THE CIRCUIT CANNOT BE DAMAGED BY MAGNETIC OVERDRIVE

ELECTRICAL CHARACTERISTICS

	MIN	TYP	MAX	REMARKS
SUPPLY CURRENT 4 (WITHOUT LOAD)		2.5 mA	13.5 mA 12.0 mA	MAX (OPERATED) MAX (RELEASED)
OUTPUT VOLTAGE 3		0.25V	0.40V	SUNKING 20 mA MAX
OUTPUT LEAKAGE 3 CURRENT (RELEASED)			10 MA	LEAKAGE INTO SWITCH OUTPUT
OUTPUT SWITCHING 3 TIME (SINKING 8 mA)				
RISE TIME		0.2 MS	1.5 M S	10% TO 90%
FALL TIME		0.1 US	0.54 S	90% TO 10%

CAUTION
ELECTIONATE
ENTITLES
IN DIGITAL
ENTITLE PRECIATION
EST SENSITIVITY: CLASS 3

MICRO SWITCH

FED. MFG. CODE 81929

SOLID STATE SWITCH

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SCALE NONE DO NOT SCALE PRINT UNLESS OTHERWISE SPECIFIED TOLERANCES ARE NO PLACE (0) $\pm 1 \text{ mm}$ ONE PLACE (0.0) \pm 0.4 mm TWO PLACE (0.00) ± 0.15 mm ANGLES 土 WEIGHT

THIRD ANGLE PROJECTION

MASTER REDUCED | a Honeywell Division ANSI Y14.5M-1982 APPLIES

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