

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" (TFIS 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 5 VDC AND OVER THE TEMPERATURE RANGE SPECIFIED

AT 24° ± 2° C, AND 5 VDC±0.5% SUPPLY VOLTAGE INTEGRATED CIRCUIT PLACEMENT TOLERANCE

PROTECTIVE HARD OVERCOAT 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

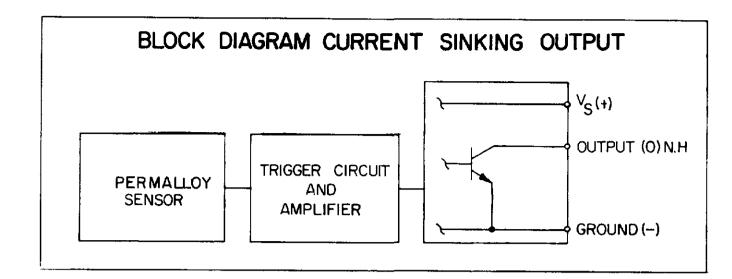
THE MAGNETIC CHARACTERISTICS OF THE SWITCH MAY BE AFFECTED BY STRAY MAGNETIC FIELDS

10 FOR REFERENCE ONLY

SS21PE

B 0038691

VS 14APR08



MAGNETIC CHARACTERIS	TICS /1\/3\/9\	
TEMPERATURE RANGE	-20°C TO 85°C ∕10\	25°C
	MAX MIN	MAX MIN
OPERATE GAUSS	25 9	25 9
RELEASE GAUSS	23 5	23 5
DIFFERENTIAL GAUSS	7 2	7 2

ABSOLUTE MAXIMUM RATING &

DOOLD IE WAXWOW HATWOL
4.5 TO 5.5 VOLTS DC
+20.0 VDC MAX WITH SWITCH IN "OFF" CONDITION ONLY -0.5 VOLTS MIN WITH SWITCH IN "OFF" OR "ON' CONDITION
20 mA
-20°C TO 85°C
NO LIMIT, THE CIRCUIT CANNOT BE DAMAGED BY MAGNETIC OVERDRIVE

ELECTRICAL CHARACTERISTICS

	MIN	TYP	MAX	REMARKS
SUPPLY CURRENT (WITHOUT LOAD)		2.5 mA	10.0 mA 5.5 mA	MAX (OPERATED) MAX (RELEASED)
OUTPUT VOLTAGE 3		0.25V	6.40V	SINKING 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 M S	1.5 M S	10% TO 90%
FALL TIME		0.1 س s	0.5 M S	90% TO 10%

CAUTION
ELECTROSTATIC
ELECTROSTATIC
ELECTROSTATIC
ELECTROSTATIC
ELECTROSTATIC
BORDET ELECTROSTATION

STATIC FEEL INSCRIPTION ESD SENSITIVITY: CLASS 3

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DO NOT SCALE PRINT UNLESS OTHERWISE SPECIFIED TOLERANCES ARE ONE PLACE (.0) ±.030 TWO PLACES (.00) $\pm .015$ CATALOG LISTING THREE PLACES (.000) \pm .005 SS21PE ANGLES WEIGHT

SCALE **NONE**

THIRD ANGLE PROJECTION

a Honeywell Division MASTER REDUCED FED. MFG. CODE 91929

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