

## BLOCK DIAGRAM SHOWING CURRENT SINKING OUTPUT

64SS4

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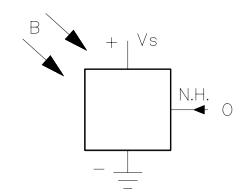
 $\overline{/1}$  to actuate the device, the south pole of the magnet or MAGNETIC FLUX GENERATOR MUST BE PRESENTED TO THE CENTER OF THE FRONT SURFACE OF THE DEVICE. (THIS ASSUMES THE CONVENTION THAT THE DIRECTION OF THE EXTERNAL FLUX OF A MAGNET IS FROM THE NORTH TO THE SOUTH POLE OF THE MAGNET)

12 THE MAGNETIC FIELD STRENGTH (GAUSS) REQUIRED TO CAUSE THE SWITCH TO CHANGE STATE (OPERATE AND RELEASE) WILL BE AS SPECIFIED IN THE MAGNETIC CHARACTERISTICS. TO TEST THE SWITCH AGAINST THE SPECIFIED MAGNETIC CHARACTERISTICS, THE THE SWITCH MUST BE PLACED IN A UNIFORM MAGNETIC FIELD

 $\overline{/3}$  catalog listing and lot no. Will be stamped on the package  $\overline{/4}$  at supply voltage of 4.5 to 24 VDC and over the temperature RANGE SPECIFIED

AT 24\$2°C

ON THE UNREGULATED SUPPLY VOLTAGE



SWITCH SYMBOL

## MAGNETIC CHARACTERISTICS /2/4

25°C	−20°C TO 85°C	-40°C TO 125°C					
150	220	240					
90							
50	50	50					
10	8	8					
	150	150 220 90 ——					

## ABSOLUTE MAXIMUM RATING

SUPPLY VOLTAGE (Vs) 6	-28 TO +28 VDC
VOLTAGE EXTERNALLY	+28 VDC MAX WITH SWITCH IN "OFF" CONDITION ONLY
APPLIED TO OUTPUT	-0.5 V WITH SWITCH IN "OFF" OR "ON" CONDITION
LOAD ON OUTPUT	20mA
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			18mA	PLUS LOAD CURRENT		
				Vs=4.5-24 VOLTS <u>/4</u> \		
OUTPUT VOLTAGE (OPERATED) 4			0.4	SINKING 10mA		
OUTPUT LEAKAGE CURRENT 4			10μΑ	LEAKAGE INTO SWITCH OUTPUT		
(RELEASED)						
OUTPUT SWITCHING TIME						
(SINKING 10mA)/4\						
RISE TIME (10% TO 90%)		0.2μS	1.5µS	10% TO 90%		
FALL TIME (90% TO 10%)		0.5μS	1.5μS	90% TO 10%		

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SOLID STATE SWITCH MAGNETICALLY OPERATED CATALOG LISTING 64SS4

TOLERANCES ARE ONE PLACE TWO PLACES (.00)  $\pm .015$ THREE PLACES (.000)  $\pm$ .005 ANGLES

WEIGHT

THIRD ANGLE PROJECTION

DO NOT SCALE PRINT UNLESS OTHERWISE SPECIFIED

FED. MFG. CODE 91929