

CONVENTION THAT THE DIRECTION OF THE EXTERNAL FLUX OF A MAGNET IS FROM THE NORTH TO THE SOUTH POLE OF THE MAGNET.)

CATALOG LISTING AND LOT NO. WILL BE STAMPED ON THE PACKAGE

THE MAGNETIC FIELD STRENGTH (GAUSS) REQUIRED TO CAUSE THE SWITCH TO

CHARACTERISTICS. TO TEST THE SWITCH AGAINST THE SPECIFIED OPERATING CHARACTERISTICS, THE SWITCH MUST BE PLACED IN A UNIFORM MAGNETIC FIELD

CHANGE STATE (OPERATE AND RELEASE) WILL BE AS SPECIFIED IN THE OPERATING

MAGNETIC CHARACTERISTICS			<u> </u>			CATALOG
TEMP RANGE	-40°C TO 150°C	-40°C TO 100°C	0°C TO 70°C			LISTING
OPERATE MAX	205	180	165			
RELEASE MIN	-205	-180	-165			617SS4
DIFF MIN	33	33	33			
OPERATE MAX						
RELEASE MIN						
DIFF MIN						
OPERATE MAX						
RELEASE MIN						
DIFF MIN						

## ABSOLUTE MAXIMUM RATING

SUPPLY VOLTAGE (V <sub>S</sub> )	-1.2 TO +20 VDC			
VOLTAGE EXTERNALLY	+20 VDC MAX WITH SWITCH IN "OFF" CONDITION ONLY			
APPLIED TO OUTPUT	-0.5 V WITH SWITCH IN "OFF" OR "ON" CONDITION			
LOAD ON OUTPUT	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 5				PLUS LOAD CURRENT
		3 mA	10.0 mA	$V_S = 6 \text{ VOLTS}$
		5 mA	10.0 mA	V <sub>S</sub> = 16 VOLTS
OUTPUT VOLTAGE 4		0.15 VOLTS	0.4 VOLTS	SINKING 10 MA
OUTPUT LEAKAGE 4 CURRENT (RELEASED)			Auر0	LEAKAGE INTO SWITCH OUTPUT
OUTPUT SWITCHING TIME (SINKING 10MA) 4				
RISE TIME		0.2µs	1.5 <b>µs</b>	10% TO 90%
FALL TIME		0.l <i>µ</i> s	0.5µs	90% TO 10%

AT SUPPLY VOLTAGE OF 6 TO 16 VDC AND OVER THE TEMPERATURE RANGE SPECIFIED THIRD ANGLE PROJECTION SCALE DO NOT SCALE PRINT UNLESS OTHERWISE SPECIFIED TOLERANCES ARE THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH, A DIVISION OF ONE PLACE HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH. ±.015 TWO PLACES (.00) CATALOG LISTING MICRO SWITCH SOLID STATE SWITCH THREE PLACES (.000)  $\pm$  .005 617SS SERIES a Honeywell Division ANGLES MAGNETICALLY OPERATED WEIGHT FED. MFG. CODE 91929

 $AT 24\pm2$ °C  $\mathbf{v}_{_{\mathbf{S}}}$  is the unregulated supply voltage

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