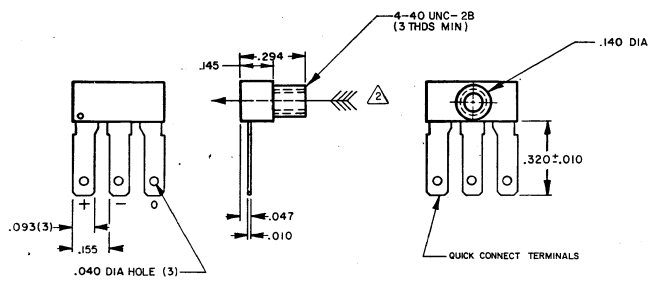


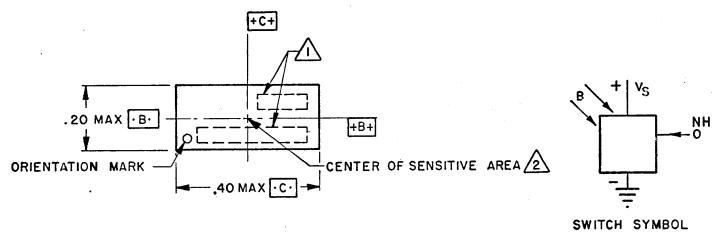
55SS SERIES CHART I
 DRAWING NUMBER
 REV. 1
 DATE 12/20/74
 MICRO SWITCH
 A Honeywell Division
 FEDERAL MFG. CODE 91229



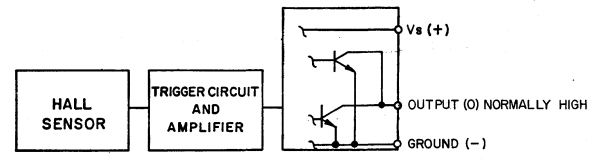
OPERATING CHARACTERISTICS (GAUSS)	MIN TYP MAX			ISSUE NUMBER	RELEASE NUMBER	CATALOG LISTING
	MIN	TYP	MAX			
OPERATE	—	245	400			
RELEASE	57	148	—			
DIFFERENTIAL	57	97	—	3	PR-4177	55SS16
OPERATE						
RELEASE						
DIFFERENTIAL						

NOTES
 △ CATALOG LISTING AND LOT NUMBER WILL BE STAMPED ON PACKAGE
 △ 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)
 △ THE MAGNETIC FIELD STRENGTH (GAUSS) REQUIRED TO CAUSE THE SWITCH TO CHANGE STATE (OPERATE AND RELEASE) WILL BE AS SPECIFIED IN THE OPERATING CHARACTERISTICS. TO TEST SWITCH AGAINST THE SPECIFIED OPERATING CHARACTERISTICS, THE SWITCH MUST BE PLACED IN A UNIFORM MAGNETIC FIELD
 △ VOLTAGE REFERENCED TO GROUND
 △ AT 24° ± 2°C AND 5 VDC ± 0.5% SUPPLY VOLTAGE
 △ SUPPLY VOLTAGE RANGE IS 4.5 TO 9.0 VDC

ABSOLUTE MAXIMUM RATING	
SUPPLY VOLTAGE (V _S)	-1.2 TO +18 VDC
VOLTAGE EXTERNALLY APPLIED TO OUTPUT	(-) 0.5 VOLT MAX (ON OR OFF CONDITION) (+) 10 VOLTS MAX (OFF CONDITION ONLY)
LOADS TO OUTPUT	20 MA (SINK)
TEMPERATURE	-40°C TO +100°C OPERATING -40°C TO +150°C STORAGE
MAGNETIC FLUX	NO LIMIT, THE CIRCUIT CANNOT BE DAMAGED BY MAGNETIC OVERDRIVE



ELECTRICAL CHARACTERISTICS (24±2°C, 5 VDC ± 0.5% SUPPLY)				
	MIN	TYP	MAX	REMARKS
SUPPLY CURRENT		2.5 MA	4.0 MA	SWITCH IN OFF CONDITION
OUTPUT VOLTAGE (OPERATED)		+0.2 V	+0.4V △	SINKING 8 MA
OUTPUT LEAKAGE CURRENT (RELEASED)			10 μA	LEAKAGE INTO SWITCH OUTPUT
OUTPUT SWITCHING TIME (SINKING 8 MA)				
RISE TIME	0.2 μSEC		0.5 μSEC	10% TO 90%
FALL TIME	0.1 μSEC		0.5 μSEC	90% TO 10%
RATE OF OPERATION			100KHZ	



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MICRO SWITCH a Honeywell Division	SOLID STATE SWITCH MAGNETICALLY OPERATED	CATALOG LISTING 55SS SERIES CHART I
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FED. MFG. CODE 91229

THIRD ANGLE PROJECTION	
SCALE	3:1
DO NOT SCALE PRINT	
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE	
ONE PLACE	(.0) ±.030
TWO PLACE	(.00) ±.015
THREE PLACE	(.000) ±.005
ANGLES	±
WEIGHT	