



OPERATING CHARACTERISTICS

GAUSS	
OPERATE MAX	495
RELEASE MIN	200
DIFF MIN	35

ABSOLUTE MAXIMUM RATINGS

SUPPLY VOLTAGE (V _s)	-1.0 VDC TO +25.0 VDC
VOLTAGE EXTERNALLY APPLIED TO OUTPUT	+25 VOLTS DC MAX WITH SWITCH IN "OFF" CONDITION ONLY -0.5 VOLTS MAX WITH SWITCH IN "OFF" OR "ON" CONDITION
OUTPUT CURRENT	40 mA (SINK PER OUTPUT)
TEMPERATURE OPERATE AND STORAGE	-40°C TO 100°C
MAGNETIC FLUX	NO LIMIT, THE CIRCUIT CANNOT BE DAMAGED BY MAGNETIC OVERDRIVE

ELECTRICAL CHARACTERISTICS

	MIN	TYP	MAX	REMARKS
SUPPLY CURRENT			10.0 mA	ON CONDITION
OUTPUT VOLTAGE (OPERATED)			0.4 V	SINKING 20 mA PER OUTPUT
OUTPUT LEAKAGE CURRENT (RELEASED)			20 μA	LEAKAGE INTO SWITCH OUTPUT
OUTPUT SWITCHING TIME (SINKING 20 mA)				
RISE TIME			1.5 μSEC	10% TO 90%
FALL TIME			0.5 μSEC	90% TO 10%

NOTE: THIS DEVICE IS NOT PROTECTED AGAINST HIGH ELECTRICAL NOISE. IF ERRATIC OPERATION OCCURS AFTER INSTALLATION, INSTALL A CAPACITOR ACROSS THE INPUT TERMINALS (0.1 MFD). IF ERRATIC OPERATION CONTINUES, YOU MAY HAVE TO USE THE INDUSTRIAL DEVICES THAT MICRO SWITCH MANUFACTURES. PLEASE CONTACT YOUR LOCAL FIELD REPRESENTATIVE FOR INFORMATION.



BLOCK DIAGRAM SHOWING CURRENT SINKING OUTPUTS

NOTES

- 1 FLUX ENTERING THE SOUTH POLE OF THE MAGNET WILL OPERATE THE SENSOR WHEN MAGNET IS POSITIONED AS SHOWN IN FIGURE 2. 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
- 2 LEADWIRES (INDIVIDUAL WIRES) ARE 24 GAGE STRANDED WITH IRRADIATED POLYETHYLENE INSULATION
- 3 DATE CODE LOCATED IN THIS AREA
- 4 FROM -40°C TO 100°C AND 4.5 TO 24 VOLTS
- 5 CATALOG LISTING LOCATED IN THIS AREA
- 6 SENSITIVE AREA IS LOCATED .050 BEHIND THE SENSING FACE
- 7 AT 24 ± 2°C
- 8 V_s IS THE UNREGULATED SUPPLY VOLTAGE

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

THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH, A DIVISION OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH.

MICRO SWITCH a Honeywell Division	MAGNETICALLY OPERATED CYLINDRICAL HALL SWITCH	CATALOG LISTING
		103SR13A-1

ANSI Y14.5M-1982 APPLIES

103SR13A-1
 DRAWING NUMBER
 11
 ISSUE
 27 JUL 99
 TSM
 CHECK
 JAF
 27 JUL 99
 P.T.C./CAD 20
 DRAWN
 27 JUL 99
 TSM
 CHECK
 JAF
 27 JUL 99
 RELEASE NO. PR-4252
 REPLACES



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MICRO SWITCH
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MAGNETICALLY
OPERATED CYLINDRICAL
HALL SWITCH

CATALOG LISTING
103SR13A-1

103SR13A-1
 DRAWING NUMBER
 ISSUE 12
 PAGES 1 OF 1
 RELEASE NO. PR-4252
 REPLACES
 CHECK
 REVISIONS
 A C095082A TSM 27 JUL 99
 B 201747 JAF DEC 00
 DRAWN
 TSM 27 JUL 99
 CHECK
 JAF
 CHECK
 27 JUL 99
 P.T.C./CAD 20
 DRAWN
 TSM 27 JUL 99
 CHECK
 JAF
 CHECK
 27 JUL 99

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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