



OPERATING CHARACTERISTICS

GAUSS	
OPERATE MAX	495
RELEASE MIN	200
DIFF MIN	35

ABSOLUTE MAXIMUM RATINGS

SUPPLY VOLTAGE (Vs)	-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)			20µ A	LEAKAGE INTO SWITCH OUTPUT
OUTPUT SWITCHING TIME (SINKING 20 mA)				
RISE TIME			1.5µ SEC	10% TO 90%
FALL TIME			0.5µ SEC	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 Vs IS THE UNREGULATED SUPPLY VOLTAGE

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

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MICRO SWITCH a Honeywell Division	MAGNETICALLY OPERATED CYLINDRICAL HALL SWITCH	CATALOG LISTING 103SR13A-1
	FEDERAL MANUFACTURING CODE 91929	

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		



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MICRO SWITCH
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MAGNETICALLY
OPERATED CYLINDRICAL
HALL SWITCH

CATALOG LISTING
103SR13A-1

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



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С нами вы становитесь еще успешнее!

Наши контакты:

Телефон: +7 812 627 14 35

Электронная почта: sales@st-electron.ru

Адрес: 198099, Санкт-Петербург,
Промышленная ул, дом № 19, литера Н,
помещение 100-Н Офис 331