



OPERATING CHARACTERISTICS 1 4

| | |
|-------------|-----|
| GAUSS | |
| OPERATE MAX | 495 |
| RELEASE MIN | 200 |
| DIFF MIN | 35 |

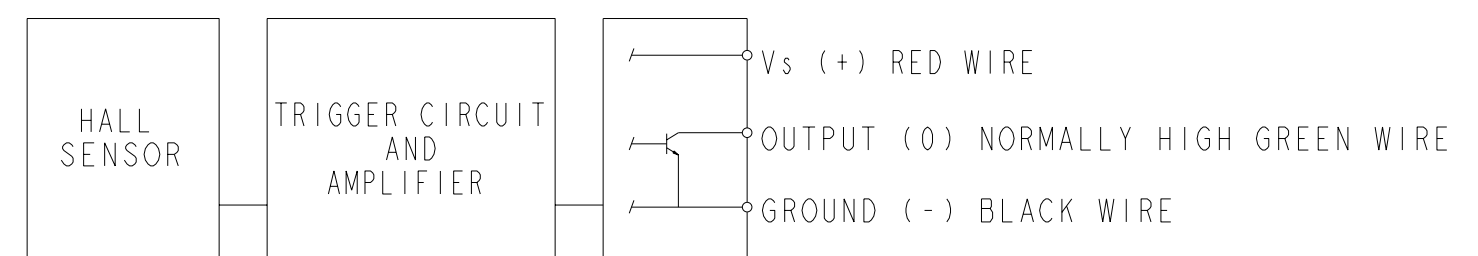
ABSOLUTE MAXIMUM RATINGS

| | |
|---|---|
| SUPPLY VOLTAGE (Vs) 8 | -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 7 | | | 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 4 | | | 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

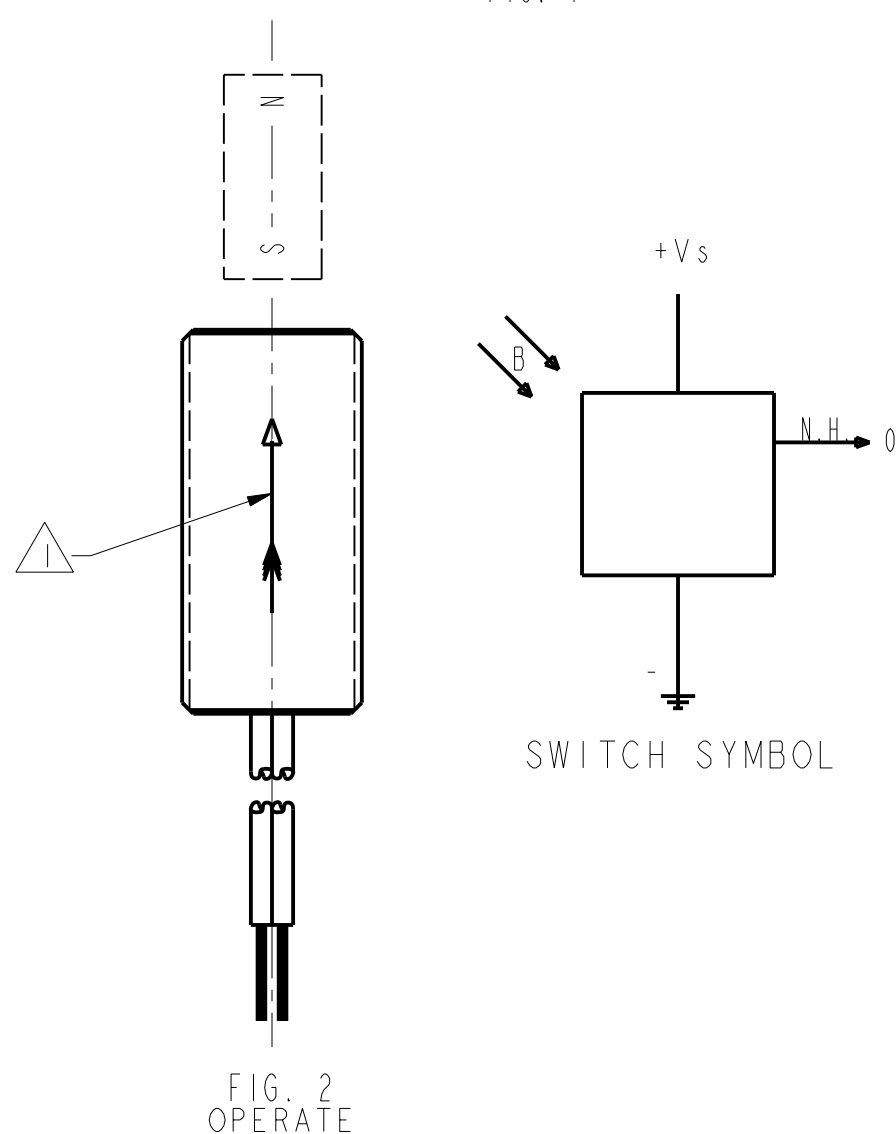
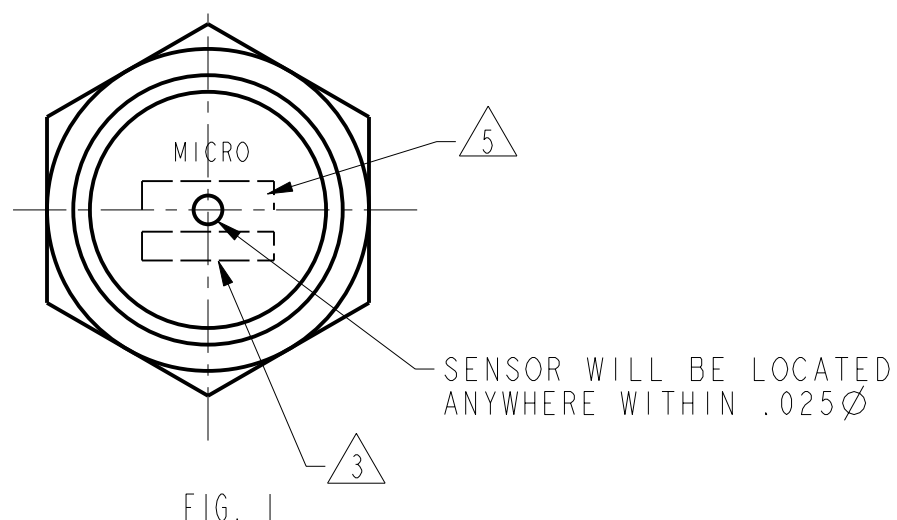
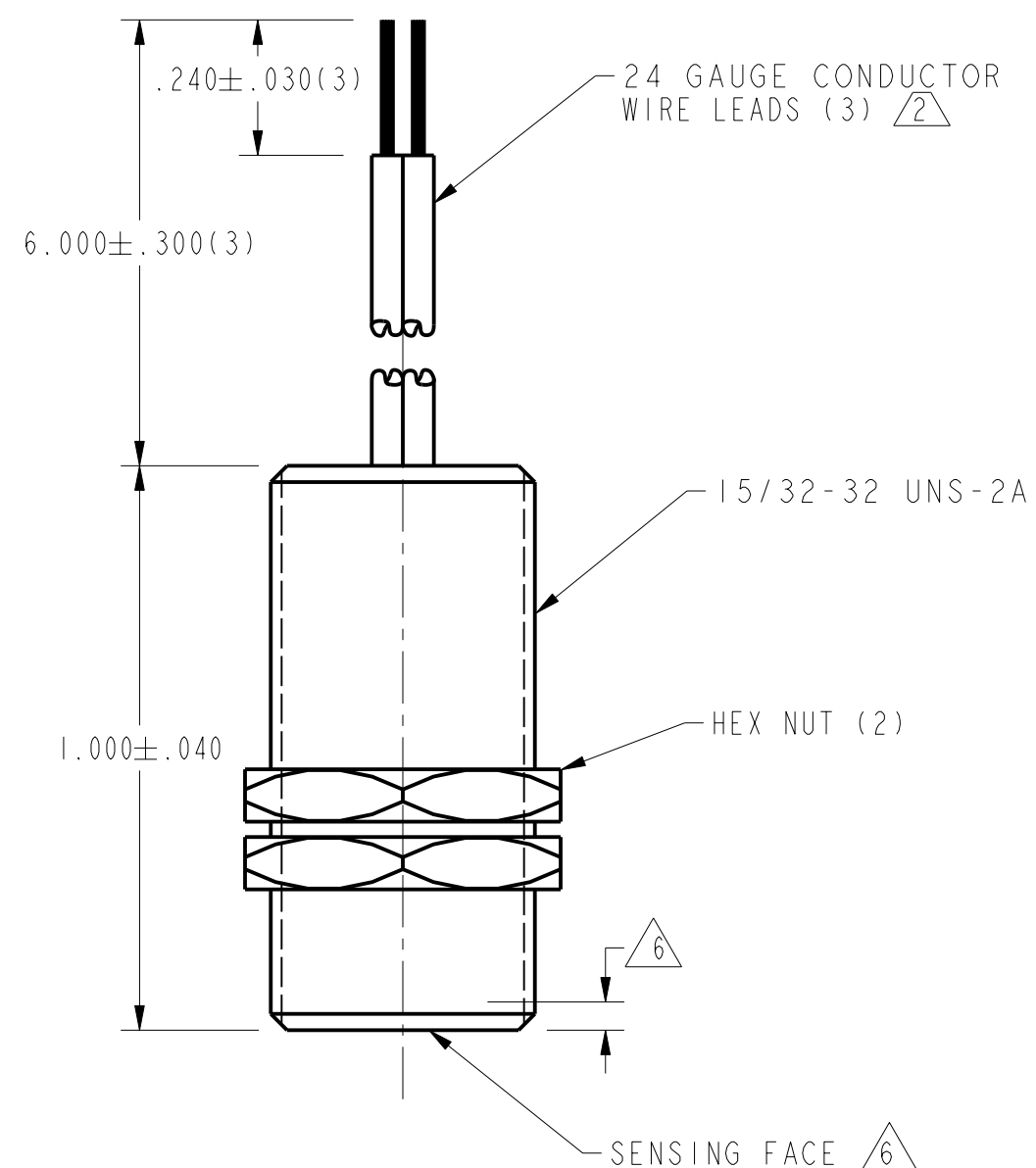
NOTES

- 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

| | | |
|---|--------|-------|
| 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 a Honeywell Division | MAGNETICALLY OPERATED CYLINDRICAL HALL SWITCH | CATALOG LISTING 103SR13A-1 |
| ANSI Y14.5M-1982 APPLIES | | |

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 TSM 27 JUL 99 CHECK JAF
 REVISIONS
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 ISSUE 11
 DRAWING NUMBER 103SR13A-1
 PAGE 1 OF 1
 RELEASE NO. PR-4252
 REPLACES



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|-------------|-----|
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| RELEASE MIN | 200 |
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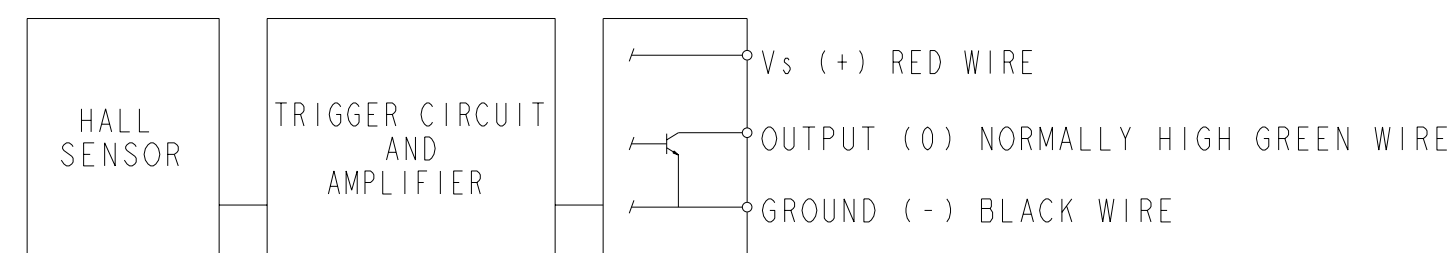
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MICRO SWITCH
a Honeywell Division

MAGNETICALLY
OPERATED CYLINDRICAL
HALL SWITCH

CATALOG LISTING
103SR13A-1

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| | | |
|--------------|--------|--------|
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| TWO PLACES | (.00) | ± .015 |
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| ANGLES | | ± |

WEIGHT

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

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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.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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