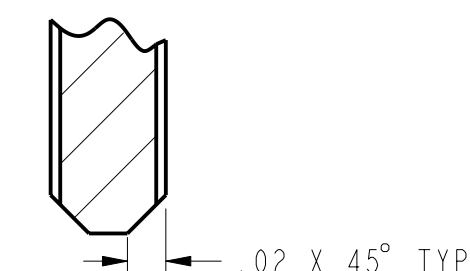
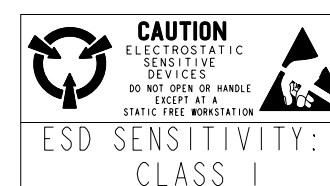


NOTES

- 1 - OPERATION - DESIGNED TO BE USED FOR CALIBRATION OF 390FW04A-10, 310FW04-10, 320FW04-5 OR 330FW04A-1 INDUCTIVE PROXIMITY SENSOR. SPECIFIC OPERATING CHARACTERISTICS WILL BE DEPENDENT ON THE INSTALLATION AND THE SPECIFIC TYPE OF SENSOR USED. NORMAL OPERATION IS DEFINED AS AN UNACTUATED SWITCH (TARGET AT INFINITY). OUTPUT SWITCH STATE WILL BE DEPENDENT ON EXTERNAL JUMPERS (SEE ELEC. CONNECTIONS).
- 2 - ELECTRICAL CONNECTIONS
  - PIN C (3) SENSOR RED
  - PIN D (4) INDEX
  - PIN F (6) SENSOR BLUE
  - PIN H (7) COMMON GROUND
  - PIN J (8) GROUND SIDE OF SWITCH
  - PIN K (9) LOAD SIDE OF SWITCH
  - PIN M (11) JUMPER M TO R AND N TO P NORMALLY CLOSED OPERATION
  - PIN N (12) JUMPER M TO P FOR NORMALLY OPEN OPERATION
  - PIN P (13)
  - PIN R (14)
  - PIN S (15) 28 VOLTS DC
- 3 - SWITCH CARD MATES WITH AMP, INC. 582553-1 OR EQUIVALENT CONNECTOR. INPUT POWER - 18 TO 32 VOLTS DC. POWER DISSIPATION IS LESS THAN 1.8 WATTS WHILE OPERATING IN ANY MODE AND ANY INPUT VOLTAGE BETWEEN 18 AND 32 VOLTS DC.
- 4 - OUTPUT CHARACTERISTICS - CURRENT SINK, CAPABLE OF CARRYING AND SWITCHING 160 MA. WITH ALL MIL-STD-704 POWER INPUTS, AND CAPABLE OF CARRYING AND SWITCHING A 38 OHM LOAD (INDUCTIVE, RESISTIVE OR LAMP) RATED AT 0.75 AMP AT 28 VDC. OUTPUT VOLTAGE DROP LESS THAN 0.4V FOR CURRENTS UP TO 160 MA., AND LESS THAN 0.8V WITH 0.50 AMP LOAD. OUTPUT LEAKAGE LESS THAN 300 MICROAMPS IN THE "OFF" SWITCH STATE.
- 5 - OPERATING TEMPERATURE: -40°C TO +85°C
- 6 - PHYSICAL CHARACTERISTICS - CIRCUIT BOARD LAMINATED EPOXY GLASS, .062 THICK, COPPER CLAD (2 OZ.) BOTH SIDES. CONNECTOR PATTERN APPLIED TO BOTH SIDES OF BOARD, CONNECTOR LEADS GOLD PLATED PER MIL-STD-275. THICKNESS OF CARD AND COMPONENTS 0.7" MAXIMUM.
  - △ SLOT TO BE CENTERED BETWEEN ADJACENT CONNECTOR PATTERN WITHIN 0.01 INCH.
- 8 - PART MARKING (CPS SIDE) SHALL BE "MICRO SWITCH, USA", "MFR 91929", MICRO SWITCH CATALOG LISTING "405FW504-BG", "M" DRAWING ISSUE, AND SERIAL NUMBER.
- ◆ 9 - ROOM TEMPERATURE OPERATE TO BE .0625±.0010 USING A 330FW04A-1G MICRO SWITCH CENTER POINT SENSOR OR .1000±.0010 USING A 310FW04-10G MICRO SWITCH CENTER POINT SENSOR



SECTION A-A  
SCALE 10:1



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**MICRO SWITCH**  
a Honeywell Division

**SWITCH**  
**SOLID STATE**

CATALOG LISTING  
**405FW504-BG**

FED. MFG. CODE 91929

THIRD ANGLE PROJECTION		
SCALE NONE		
DO NOT SCALE PRINT		
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE		
ONE PLACE	(.0)	±.030
TWO PLACES	(.00)	±.015
THREE PLACES	(.000)	±.005
ANGLES	2°	±
WEIGHT 2 OZ MAX		

405FW504-BG  
PAGE 1 OF 1  
RELEASE NO. PR-23283  
REPLACES X86034-FW  
DRAWING NUMBER  
ISSUE 3  
REVISIONS  
A 201152  
G J W  
SEP 00  
DRAWN G.J.W.  
CHECKED 2ISEP00  
SAV  
CHECKED 2ISEP00  
P.T.C./CAD 2D