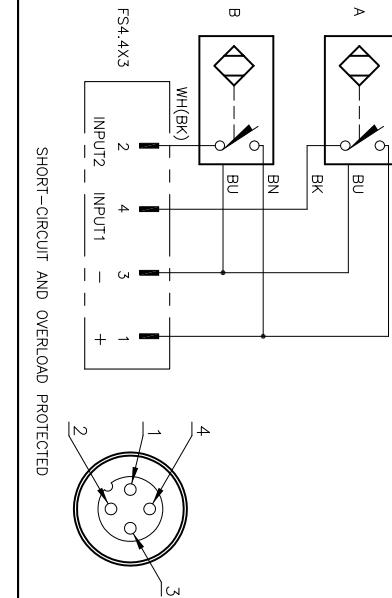
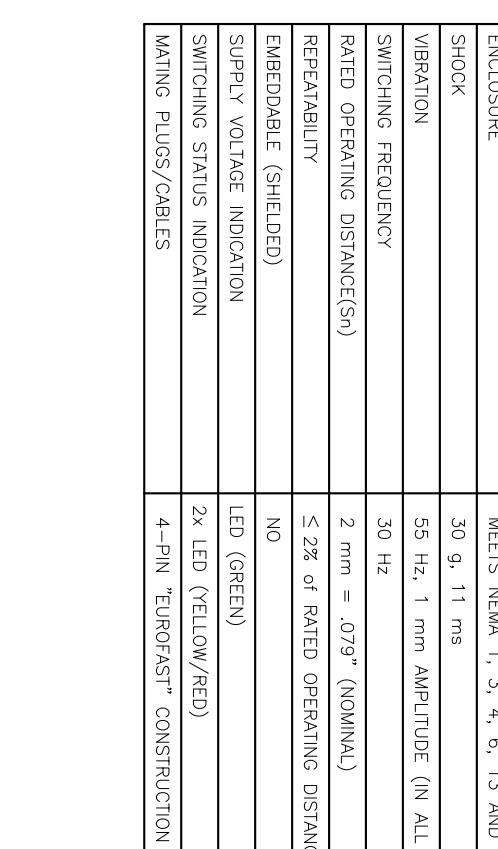
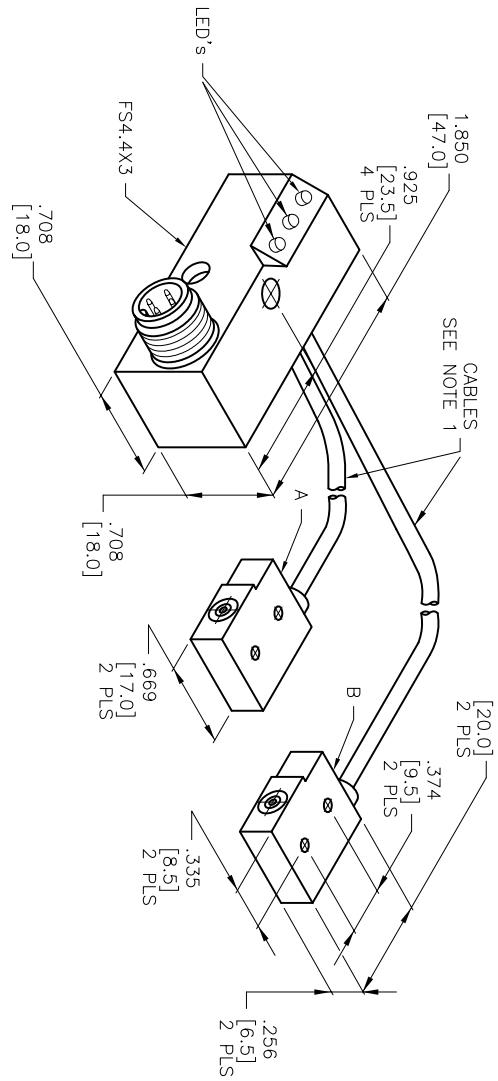


## WIRING DIAGRAM



SHORT-CIRCUIT AND OVERLOAD PROTECTED



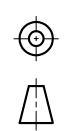
## NOTE PRELIMINARY SPECIFICATIONS

NOTES:

1. CABLE LENGTH 0.2 METERS.

2. "/S304" DESIGNATES WELD FIELD IMMUNITY. SENSOR IS SUITABLE FOR USE ON  
RESISTANCE WELDING MACHINES.

RELATED DOCUMENTS



**TURCK INC**  
High Technology Sensors and Automation Controls

turck.com

3RD ANGLE  
PROJECTION

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(763) 553-0708 fax

3000 CAMPUS DRIVE  
turck.com

DATE 11/17/98

DESCRIPTION  
Ni 2-Q6.5-AP6-0.2-FS 4.4X3/S304

DRFT

CBM

DATE

11/17/98

DSGN

SCALE

NTS

UNIT OF MEASUREMENT

INCH [ MILLIMETER ]

IDENTIFICATION NO.

M1650047

REV

P2

FILE: M1650047

SHEET 1 OF 1

## SPECIFICATIONS

OPERATING VOLTAGE  
RIPPLE

≤ 10%  
1-15% (5% TYPICAL)

DIFFERENTIAL TRAVEL (HYSERESIS)

VOLTAGE DROP ACROSS CONDUCTING SENSOR  
CONTINUOUS LOAD CURRENT

≤ 1.8 V at 150 mA  
≤ 150 mA

NO LOAD CURRENT  
POWER-ON EFFECT

5.5-9.5 mA  
INCORPORATED

SHORT-CIRCUIT PROTECTED  
TRANSIENT PROTECTION

≥ 170 mA  
NORMALLY OPEN TWO 3-WIRE DC-SENSORS

TIME DELAY BEFORE AVAILABILITY  
OPERATING TEMPERATURE

≤ 20 ms  
-25°C to +70°C (-13°F to +158°F)

ENCLOSURE  
SHOCK

MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67  
30 g, 11 ms

VIBRATION  
SWITCHING FREQUENCY

55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)  
30 Hz

RATED OPERATING DISTANCE(Sn)  
REPEATABILITY

2 mm = .079" (NOMINAL)  
≤ 2% of RATED OPERATING DISTANCE

EMBEDDABLE (SHIELDED)  
SUPPLY VOLTAGE INDICATION

NO  
LED (GREEN)

SWITCHING STATUS INDICATION  
MATING PLUGS/CABLES

2x LED (YELLOW/RED)  
4-PIN "EUROFAST" CONSTRUCTION