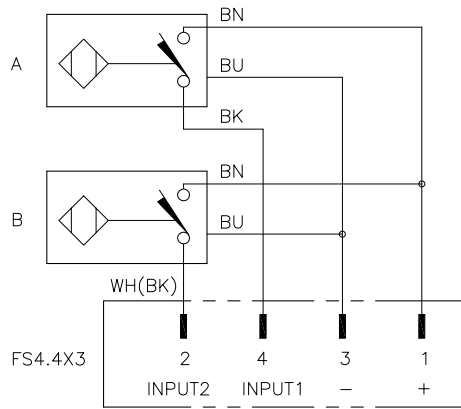


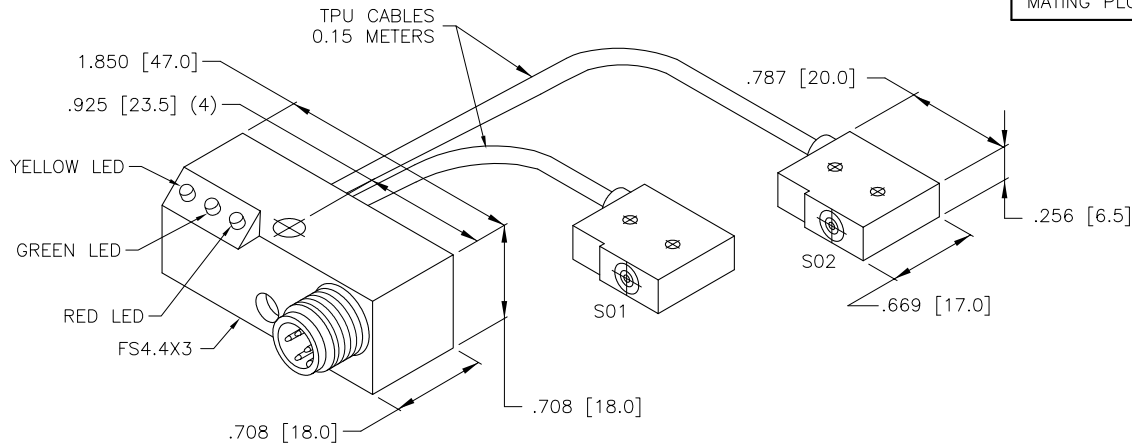
WIRING DIAGRAM



SHORT-CIRCUIT AND OVERLOAD PROTECTED

SPECIFICATIONS

OPERATING VOLTAGE	10-30 VDC
RIPPLE	≤ 10%
DIFFERENTIAL TRAVEL (HYSTERESIS)	1-15% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤ 1.8 V at 150 mA
CONTINUOUS LOAD CURRENT	≤ 150 mA
NO LOAD CURRENT	5.5-9.5 mA
TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥ 170 mA
OUTPUT FUNCTION	NORMALLY OPEN TWO 3-WIRE DC-SENSORS
POWER-ON EFFECT	INCORPORATED
SHORT-CIRCUIT PROTECTED	INCORPORATED
TRANSIENT PROTECTION	EN 60947-5-2
TIME DELAY BEFORE AVAILABILITY	≤ 20 ms
OPERATING TEMPERATURE	-25°C to +70°C (-13°F to +158°F)
ENCLOSURE	MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67
SHOCK	30 g, 11 ms
VIBRATION	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
SWITCHING FREQUENCY	30 Hz
RATED OPERATING DISTANCE(S <sub>n</sub> )	2 mm = .079" (NOMINAL)
REPEATABILITY	≤ 2% of RATED OPERATING DISTANCE
EMBEDDABLE (SHIELDED)	NO
MATING PLUGS/CABLES	4-PIN "EUROFAST" CONSTRUCTION



LED FUNCTION	S01	LED ON (YELLOW)	S01 OUTPUT ENERGIZED
		LED ON (GREEN)	POWER ON
	S02	LED ON (RED)	S02 OUTPUT ENERGIZED
		LED ON (GREEN)	POWER ON

SOURCE DRAWING - FOR REFERENCE ONLY

NOTES: 1. MATERIALS:  
 SENSOR HOUSING - PA12-GF30 PLASTIC  
 SENSING FACE - PA12-GF30 PLASTIC  
 CONNECTOR - CHROME PLATED BRASS  
 AMPLIFIER MODULE HOUSING - PBT PLASTIC

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

3. ALL DIMENSIONS ARE FOR REFERENCE ONLY.

RELATED DOCUMENTS	3RD ANGLE PROJECTION	THIS DRAWING IS PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED.		3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-0708 fax turck.com	
1.		DRFT	JB	DATE	10/17/02
2.		DSGN	JB	SCALE	1=1.5
3.	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY	UNIT OF MEASUREMENT		DESCRIPTION	
4.		<b>INCH [ MILLIMETER ]</b>		Ni 2-Q6.5-AP6-0.15-FS 4.4X3/S304	
MATERIAL	SEE NOTES	CONTACT TURCK FOR MORE INFORMATION		IDENTIFICATION NO.	M1650074
FINISH	SEE NOTES	DO NOT SCALE THIS DRAWING		REV	B
REV	DESCRIPTION	BY	DATE	ECO NO.	FILE: M1650074 SHEET 1 OF 1