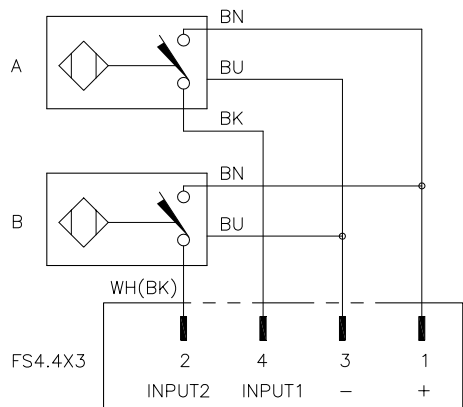


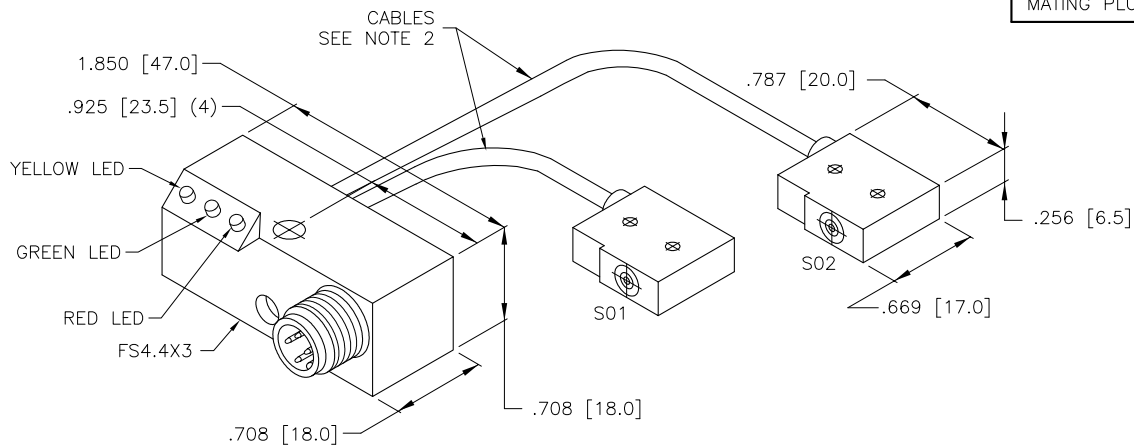
WIRING DIAGRAM



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	1 kV, 0.1 ms, 1 KΩ
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 _n)	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. "/S34" DESIGNATES WELD FIELD IMMUNITY. SENSOR IS SUITABLE FOR USE ON RESISTANCE WELDING MACHINES.
2. ALL DIMENSIONS ARE FOR REFERENCE ONLY.

RELATED DOCUMENTS 1. 2. 3. 4.	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		
	MATERIAL	DRFT CBM	DATE 05/05/99	DESCRIPTION NI 2-Q6.5-AP6-0.1M-FS 4.4X3/S304		
	FINISH	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY	DSGN	SCALE 1=1.5	IDENTIFICATION NO. M1650048	
		CONTACT TURCK FOR MORE INFORMATION	UNIT OF MEASUREMENT INCH [MILLIMETER]		REV A	
DO NOT SCALE THIS DRAWING	FILE: M1650048	SHEET 1 OF 1				

A	UPDATE LED FUNCTION SPECIFICATIONS	CBM	05/05/99	B2881
REV	DESCRIPTION	BY	DATE	ECO NO.