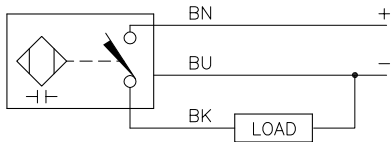
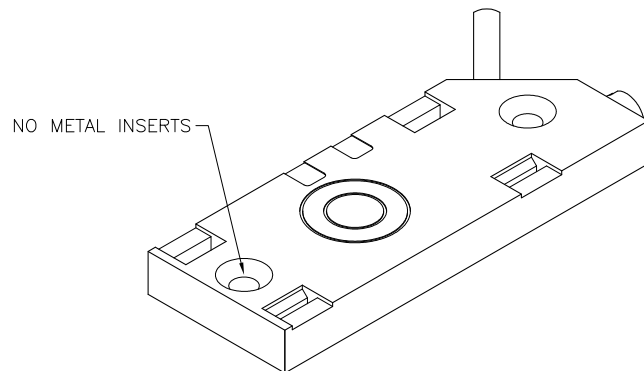
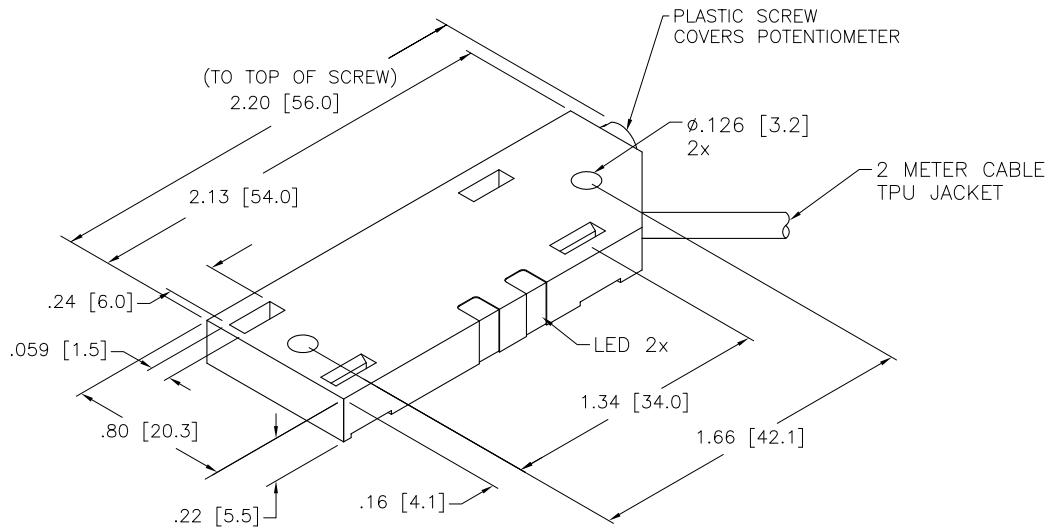


WIRING DIAGRAM



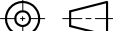
OUTPUT: AP6X2

SHORT-CIRCUIT AND OVERLOAD PROTECTED



SPECIFICATIONS

OPERATING VOLTAGE	10–30 VDC
RIPPLE	≤10%
DIFFERENTIAL TRAVEL (HYSTERESIS)	2–20% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤1.8 V at 200 mA
OUTPUT FUNCTION	NORMALLY OPEN, PNP
TTL COMPATIBLE	NO
SHORT-CIRCUIT PROTECTED	YES
TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥ 220 mA
CONTINUOUS LOAD CURRENT	≤ 200 mA
OFF-STATE (LEAKAGE) CURRENT	<100 μ A
NO-LOAD CURRENT	≤15 mA
TIME DELAY BEFORE AVAILABILITY	≤ 8 ms
POWER-ON EFFECT	Per IEC 947-5-2
REVERSE POLARITY PROTECTION	YES
WIRE BREAK PROTECTION	YES
TRANSIENT PROTECTION	Per EN 60947-5-2
OPERATING TEMPERATURE	–25°C to +70°C (–13°F to +158°F)
MAX RELATIVE TEMPERATURE DRIFT	≤ 20 %
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)
LED FUNCTION	YELLOW = OUTPUT ENERGIZED GREEN = POWER ON
RATED OPERATING DISTANCE(Sn)	10 mm = .394" (ADJUSTABLE)
SWITCHING FREQUENCY	100 Hz
REPEATABILITY	≤ 2% OF RATED OPERATING DISTANCE
EMBEDDABLE (SHIELDED)	YES

RELATED DOCUMENTS		3RD ANGLE PROJECTION		THIS DRAWING IS PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED.		TURCK inc High Technology Sensors and Automation Controls 3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-0708 fax turck.com			
1.									
2.									
3.									
4.									
MATERIAL POLYPROPYLENE PLASTIC		ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY		DRFT RDS		DATE 02/13/04		DESCRIPTION BC10-QF5.5-AP6X2/S932	
				DSGN		SCALE NONE			
FINISH		CONTACT TURCK FOR MORE INFORMATION		UNIT OF MEASUREMENT INCH [MILLIMETER]		IDENTIFICATION NO. S2620109			
						FILE: S2620109		REV B	
								SHEET 1 OF 1	

B	DRAWING PROCESSED AS PART OF ECO 33971	CBM	04/06/11	33971
REV	DESCRIPTION	BY	DATE	ECO NO.