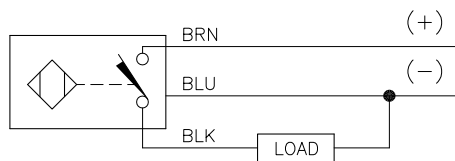
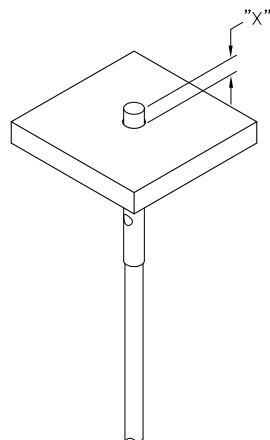
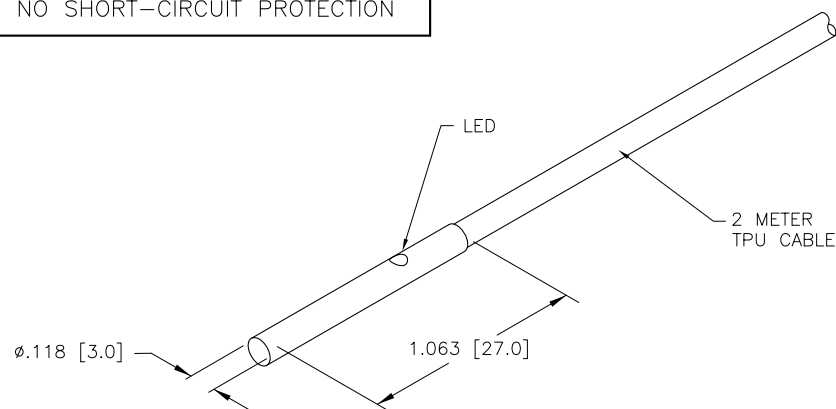


WIRING DIAGRAM



OUTPUT: AP7X

WARNING: NO SHORT-CIRCUIT PROTECTION



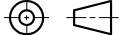
NOTES:

1. THE SENSOR CAN BE FLUSH MOUNTED COMPLETELY IN NON-FERROUS METALS. WHEN MOUNTING IN FERROUS METALS, THE DISTANCE "X" MUST BE OBSERVED.

DISTANCE "X": 0.5mm

SPECIFICATIONS

RATED OPERATING DISTANCE	1 mm [0.039"]
MOUNTING MODE	FLUSH
DIFFERENTIAL TRAVEL (HYSTERESIS)	3–20%
MIN. REPEAT ACCURACY	≤ 5%
MAX. TEMPERTURE DRIFT	≤ ±10% C°
OPERATING TEMPERATURE	–25°C to +70°C (–13°F to +158°F)
RATED OPERATIONAL VOLTAGE	10–30 VDC
MAX. RIPPLE	≤ 10%
RATED OPERATIONAL CURRENT (DC)	≤ 100 mA
NO LOAD CURRENT	≤ 10 mA
MAX. OFF-STATE (LEAKAGE) CURRENT	≤ 0.1 mA
MAX. SWITCHING FREQUENCY	≤ 5 kHz
RATED INSULATION VOLTAGE	≤ 75 kV
OUTPUT FUNCTION	3-WIRE, NORMALLY OPEN, PNP
SHORT-CIRCUIT PROTECTED	NO
MAX. VOLTAGE DROP	≤ 1.5 V
WIRE-BREAK PROTECTION	INCORPORATED
REVERSE POLARITY PROTECTION	INCORPORATED
HOUSING MATERIAL	METAL, A2 1.4301 (AISI 304)
ACTIVE FACE	PLASTIC, POM
CABLE	Ø2.6, LifYY–11Y, TPU, 2 METER LENGTH
VIBRATION RESISTANCE	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
SHOCK RESISTANCE	30 g, 11 ms
DEGREE OF PROTECTION	IP 67
SWITCHING STATUS INDICATION	LED, RED

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.		TURCK inc <i>High Technology Sensors and Automation Controls</i>		3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-0708 fax turck.com	
	MATERIAL SEE SPECIFICATIONS	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY	DRFT	RDS	DATE	02/18/04	DESCRIPTION BI 1-EH03-AP7X		
			DSGN	EH	SCALE	NONE			
FINISH SEE SPECIFICATIONS	CONTACT TURCK FOR MORE INFORMATION		UNIT OF MEASUREMENT INCH [MILLIMETER] DO NOT SCALE THIS DRAWING			IDENTIFICATION NO. M1619322		REV C	
					FILE: M1619322		SHEET 1 OF		

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