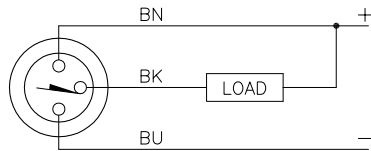
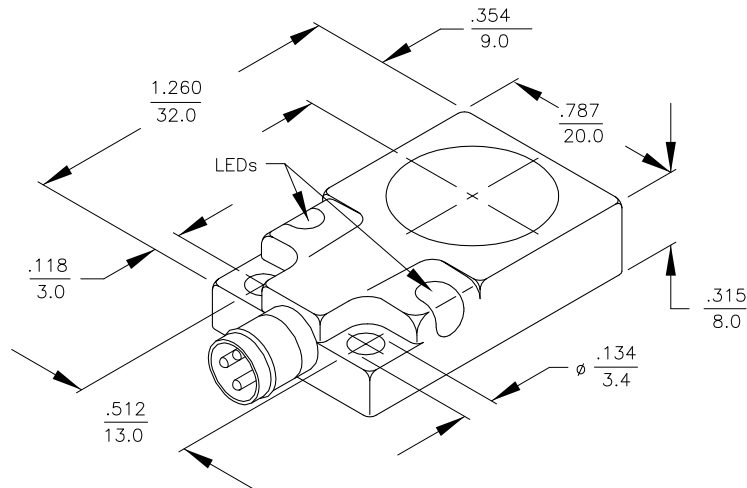


# WIRING DIAGRAM




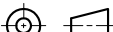
OUTPUT: AN6X2

SHORT-CIRCUIT AND OVERLOAD PROTECTED



# SPECIFICATIONS

OPERATING VOLTAGE	10–30 VDC
RIPPLE	≤ 10%
HYSTERESIS (DIFFERENTIAL TRAVEL)	3–15% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤ 1.8 V AT 100 mA
OUTPUT FUNCTION	NORMALLY OPEN 3-WIRE DC SELF CONTAINED
TTL COMPATIBILITY	NO
SHORT-CIRCUIT PROTECTED	YES
TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥ 220 mA
CONTINUOUS LOAD CURRENT	≤ 200 mA
LEAKAGE (OFF-STATE) CURRENT	< 10 μA
NO-LOAD CURRENT	≤ 15 mA
TIME DELAY BEFORE AVAILABILITY	≤ 8 ms
POWER-ON EFFECT PROTECTION	INCORPORATED
POLARITY INVERSION PROTECTION	INCORPORATED
WIRE-BREAK PROTECTION	INCORPORATED
PROTECTION AGAINST TRANSIENTS	EN 60947–5–2 ANNEX ZA
OPERATING TEMPERATURE	–25°C TO +70°C (–13°F TO +158°F) 10% TEMP DRIFT –30°C TO +85°C (–22°F TO +185°F) 15% TEMP DRIFT
ENCLOSURE	MEETS NEMA 1,3,4,6,13 AND IEC IP67
SHOCK	30 g, 11 ms
VIBRATION	55 Hz, 1 mm AMPLITUDE (ALL 3 PLANES)
LED FUNCTION	GREEN: POWER ON YELLOW: OUTPUT ENERGIZED
SENSING RANGE	5 mm (.197") NOMINAL
SWITCHING FREQUENCY	1000 Hz
REPEATABILITY	≤ 2% OF NOMINAL SENSING RANGE
MATING PLUGS/CABLES	3-PIN "PICOFAST" CONSTRUCTION

RELATED DOCUMENTS		3RD ANGLE PROJECTION		<div><div><p><b>TURCK INC</b> <i>High Technology Sensors and Automation Controls</i></p></div><div><p>3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-0708 fax turck.com</p></div></div>	
1.					
2.		<div><div>THIS DRAWING IS PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED.</div></div>		DESCRIPTION Bi5U-Q08-AN6X2-V1131	
3.					
4.		DRFT CBM	DATE 12/4/97	IDENTIFICATION NO. S1608910	
MATERIAL DIE CAST ZINC		DSGN	SCALE NONE		
		UNIT OF MEASUREMENT INCH [ MILLIMETER ]		REV B	
FINISH		CONTACT TURCK FOR MORE INFORMATION		FILE: S1608910	
		DO NOT SCALE THIS DRAWING		SHEET 1 OF 1	