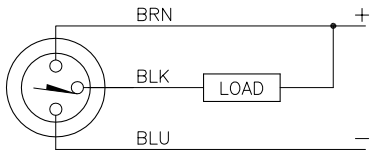
WIRING DIAGRAMS

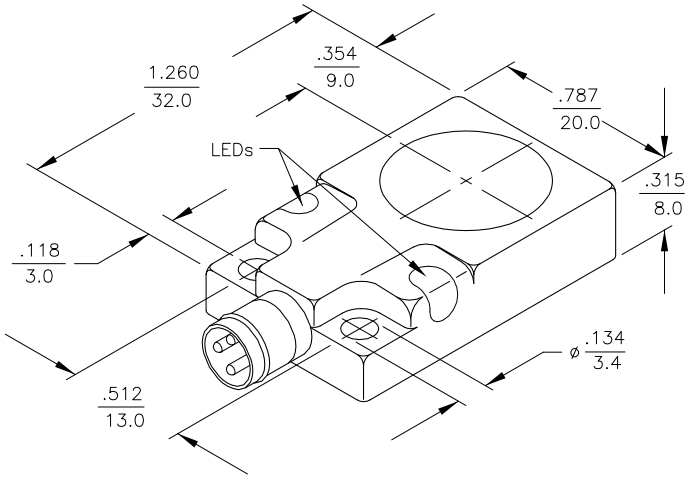


OUTPUT: AN6X2

SHORT–CIRCUIT AND OVERLOAD PROTECTED

SPECIFICATIONS

OPERATING VOLTAGE	10–30 VDC
RIPPLE	≤10%
HYSTERESIS (DIFFERENTIAL TRAVEL)	2–20% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤1.8 V at 200 mA
OUTPUT FUNCTION	NORMALLY OPEN 3–WIRE DC SELF–CONTAINED
TTL COMPATIBLE	NO
SHORT–CIRCUIT PROTECTED	YES
TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥220 mA
CONTINUOUS LOAD CURRENT	≤200 mA
LEAKAGE (OFF–STATE) CURRENT	<10μA
NO–LOAD CURRENT	6.0–12.0 mA
TIME DELAY BEFORE AVAILABILITY	≤25 ms
POWER–ON EFFECT PROTECTION	INCORPORATED
POLARITY INVERSION PROTECTION	INCORPORATED
WIRE–BREAK PROTECTION	INCORPORATED
PROTECTION AGAINST TRANSIENTS	2 kV, 1 ms, 1 kΩ
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)
LED FUNCTION	GREEN: POWER ON YELLOW: OUTPUT ENERGIZED
SENSING RANGE	5 mm = .197" (NOMINAL)
SWITCHING FREQUENCY	100 Hz
REPEATABILITY	≤2% of NOMINAL SENSING RANGE
MATING PLUGS/CABLES	3–PIN "PICOFAST" CONSTRUCTION



SOURCE DRAWING - FOR REFERENCE ONLY

NOTES:

1. "/S250" DESIGNATES CAPACITIVE SENSOR WITH FIXED CALIBRATION.

REV	DESCRIPTION	BY	DATE	ECO NO.
B	UPDATE DESCRIPTION AND NOTES	*CK	01/04/11	33835

RELATED DOCUMENTS
1.
2.
3.
4.

3RD ANGLE PROJECTION

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MATERIAL: DIE CAST ZINC

FINISH:

ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY

CONTACT TURCK FOR MORE INFORMATION

DRFT: RDS | DATE: 09/22/06

DSGN: | SCALE: NONE

UNIT OF MEASUREMENT
INCH [MILLIMETER]
DO NOT SCALE THIS DRAWING

DESCRIPTION: BC 5–Q08–AN6X2–V1131/S250

IDENTIFICATION NO.: S2621100 | REV: B

FILE: S2621100 | SHEET 1 OF 1