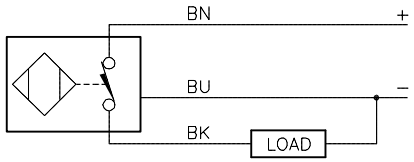
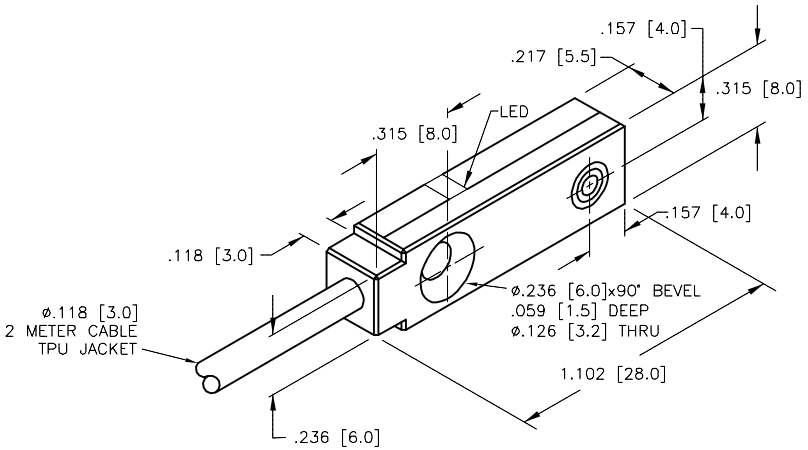
WIRING DIAGRAM



OUTPUT: RP6X

SHORT–CIRCUIT AND OVERLOAD PROTECTED



SPECIFICATIONS

OPERATING VOLTAGE	10–30 VDC
RIPPLE	≤10%
DIFFERENTIAL TRAVEL (HYSTERESIS)	3–15% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤1.8 V AT 100 mA
OUTPUT FUNCTION	NORMALLY CLOSED 3–WIRE DC SELF–CONTAINED
TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥170 mA
CONTINUOUS LOAD CURRENT	≤150
OFF–STATE (LEAKAGE) CURRENT	<10 µA
NO–LOAD CURRENT	≤10 mA
TIME DELAY BEFORE AVAILABILITY	≤8 ms
POWER–ON EFFECT PROTECTION	Per IEC 947–5–2
REVERSE POLARITY PROTECTION	INCORPORATED
WIRE–BREAK PROTECTION	INCORPORATED
PROTECTION AGAINST TRANSIENTS	PER EN 60947–5–2
ENCLOSURE	MEETS NEMA 1,3,4,6,13 AND IEC IP68
OPERATING TEMPERATURE (10% DRIFT)	–25°C to +70°C (–13°F to +158°F)
OPERATING TEMPERATURE (15% DRIFT)	–30°C to +85°C (–22°F to +185°F)
SHOCK	30 g, 11 ms
VIBRATION	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
LED FUNCTION	GREEN: POWER ON YELLOW: OUTPUT ENERGIZED
RATED OPERATING DISTANCE	2 mm = .079" (NOMINAL)
SWITCHING FREQUENCY	2000 Hz
REPEATABILITY	≤2% OF RATED OPERATING DISTANCE
EMBEDDABLE (SHIELDED)	YES
HOUSING MATERIAL/COLOR	PLASTIC, PP/YELLOW

NOTE
PRELIMINARY SPECIFICATIONS

SOURCE DRAWING - FOR REFERENCE ONLY

NOTES: 1. MATERIAL:
HOUSING – PLASTIC–PP
SENSING FACE – PA 12–GF20 PLASTIC

REV	DESCRIPTION	BY	DATE	ECO NO.
P7	UPDATE IP RATING & SENSOR	NF	11/18/15	52351

RELATED DOCUMENTS
1.
2.
3.
4.

3RD ANGLE PROJECTION

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

MATERIAL: SEE NOTES

FINISH: SEE NOTES

ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY

CONTACT TURCK FOR MORE INFORMATION

DRFT: CBM | DATE: 08/15/00
APVD: – | SCALE: NONE

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

DESCRIPTION: Bi 2–Q5.5–RP6X

IDENTIFICATION NO.: S1613002 | REV: P7

FILE: S1613002 | SHEET 1 OF 1