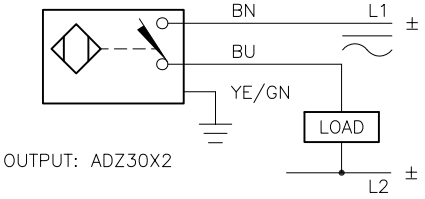
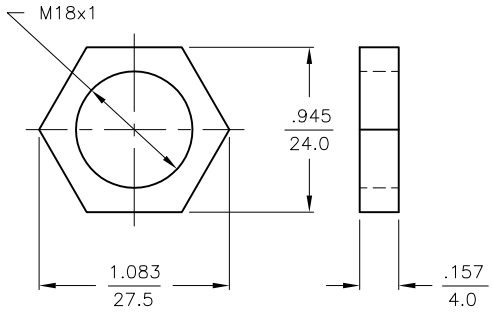
WIRING DIAGRAMS



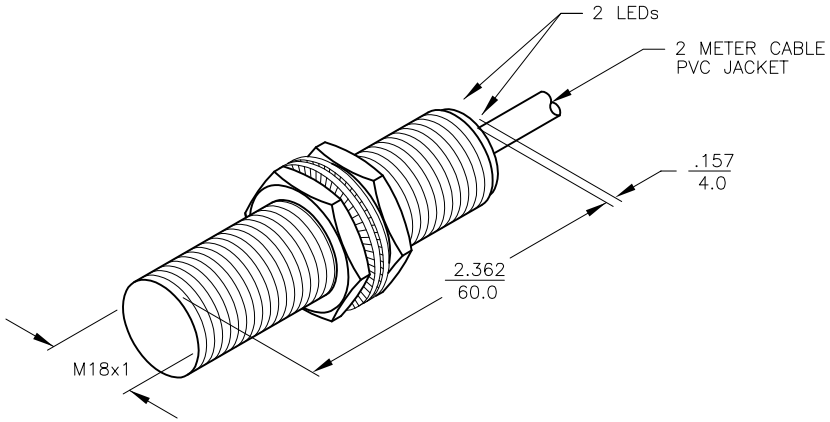
SHORT–CIRCUIT AND OVERLOAD PROTECTED

LOCKNUT LN–MT18



SPECIFICATIONS

OPERATING VOLTAGE	20–250 VAC, 10–300 VDC, <400 AC, <300 DC
LINE FREQUENCY	40–60 Hz
DIFFERENTIAL TRAVEL (HYSTERESIS)	3–15% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤ 6.0 V at 400 mA
OUTPUT FUNCTION – ADZ	NORMALLY OPEN 2–WIRE AC/DC SELF–CONTAINED
SHORT–CIRCUIT PROTECTED	YES
TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥ 500 mA
CONTINUOUS LOAD CURRENT	≤ 400 mA
OFF–STATE (LEAKAGE) CURRENT	≤1.7 mA
MINIMUM LOAD CURRENT	≥ 3.0 mA
INRUSH CURRENT	≤ 3.0 A(≤ 20 ms/5 Hz)
TIME DELAY BEFORE AVAILABILITY	≤15 ms
POWER–ON EFFECT PROTECTION	INCORPORATED
PROTECTION AGAINST TRANSIENTS	EN 60947–5–2
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 GREEN FLASHING = SHORT–CIRCUIT WARNING RED = OUTPUT ENERGIZED
RATED OPERATING DISTANCE(Sn)	5 mm = .197" (NOMINAL)
SWITCHING FREQUENCY	150 Hz
REPEATABILITY	≤ 2% of RATED OPERATING DISTANCE
EMBEDDABLE (SHIELDED)	YES



SOURCE DRAWING - FOR REFERENCE ONLY

NOTE(S):

1. MATERIALS:

PTFE COATED BRASS BARREL. PTFE
COATED BRASS LOCKNUTS.
PTFE COATED PA 12–GF30 PLASTIC SENSING FACE.

REV	DESCRIPTION	BY	DATE	ECO NO.
E	REMOVE TRADEMARKED MATERIAL REFERENCES	CBM	11/16/12	40471

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 NOTE 1

FINISH

ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY

CONTACT TURCK FOR MORE INFORMATION

DRFT: SWC | DATE: 01/16/95
DSGN | SCALE: 1=2.0

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

DESCRIPTION: Bi 5–GT18–ADZ30X2

IDENTIFICATION NO.: T4255090 | REV: E

FILE: T4255090 | SHEET 1 OF 1