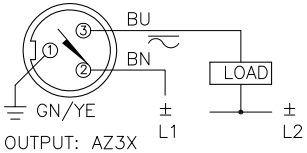
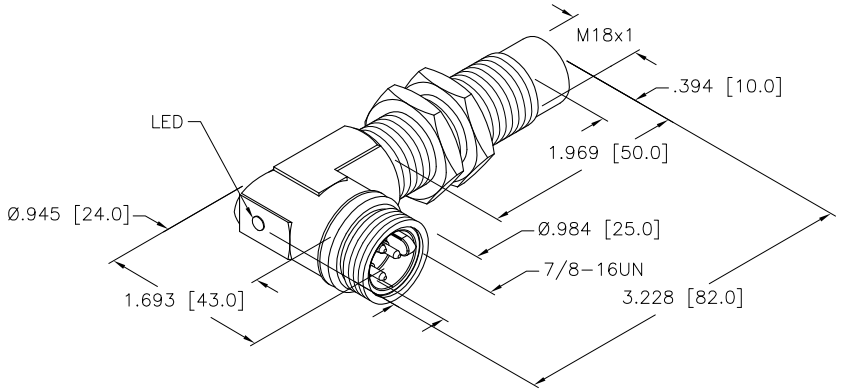
WIRING DIAGRAM



WARNING: NO SHORT–CIRCUIT PROTECTION.
ALWAYS WIRE A LOAD IN SERIES WITH THE SENSOR.

SPECIFICATIONS

OPERATING VOLTAGE	20–250 VAC, 10–300 VDC
LINE FREQUENCY	40–60 Hz
DIFFERENTIAL TRAVEL (HYSTERESIS)	3–15% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	<7.0 V at FULL RATED CURRENT
OUTPUT FUNCTION	NORMALLY OPEN 2–WIRE AC/DC
SHORT–CIRCUIT PROTECTED	NO
CONTINUOUS LOAD CURRENT	AC: ≤ 400 mA; DC: ≤ 300 mA
OFF–STATE (LEAKAGE) CURRENT	<1.7 mA
MINIMUM LOAD CURRENT	≥ 5.0 mA
INRUSH CURRENT	≤ 8.0 A (≤10 ms, 5% DUTY CYCLE)
TIME DELAY BEFORE AVAILABILITY	≤ 25 ms
POWER–ON EFFECT	Per IEC 947–5–2
TRANSIENT PROTECTION	Per 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	RED: OUTPUT ENERGIZED
RATED OPERATING DISTANCE(Sn)	10 mm = .394" (NOMINAL)
SWITCHING FREQUENCY	20 Hz
REPEATABILITY	≤ 2% OF RATED OPERATING DISTANCE
EMBEDDABLE (SHIELDED)	NO
MATING PLUGS/CABLES	3–PIN "MINIFAST" CONSTRUCTION
LOCKNUT M18x1	24.0 mm AF, 27.5 mm AC, 4.0 mm THK



NOTE:
MATERIALS:
BARREL – CHROME PLATED BRASS
LOCKNUTS – CHROME PLATED BRASS
CONNECTOR – CHROME PLATED BRASS
SENSING FACE – PA12–GF30 PLASTIC
CONNECTOR ADAPTER – DIE–CAST ZINC

REV	DESCRIPTION	BY	DATE	ECO NO.
D	UPDATE KEYWAY ORIENTATION	RDS	10/20/03	10665

RELATED DOCUMENTS
1.
2.
3.
4.

3RD ANGLE PROJECTION

MATERIAL: SEE NOTE

FINISH

ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY

CONTACT TURCK FOR MORE INFORMATION

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DRFT: GMB
DATE: 09/28/88
DSGN:
SCALE: 1=2.0

UNIT OF MEASUREMENT
INCH [MILLIMETER]

DO NOT SCALE THIS DRAWING

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DESCRIPTION: Ni10–G18–AZ3X–B1431 50 mm

IDENTIFICATION NO.: T4372500
REV: D

FILE: T4372500
SHEET 1 OF 1