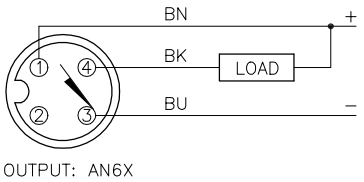
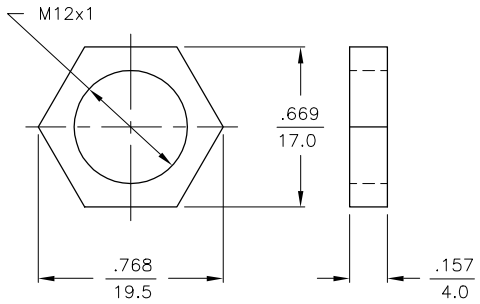
WIRING DIAGRAM



OUTPUT: AN6X

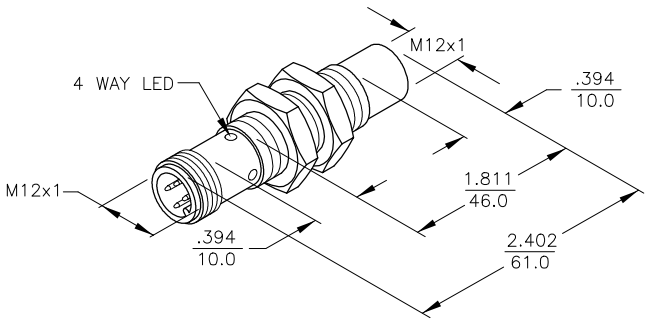
SHORT–CIRCUIT AND OVERLOAD PROTECTED

LOCKNUT LN–MT12



SPECIFICATIONS

OPERATING VOLTAGE	10–30 VDC
RIPPLE	≤ 10%
DIFFERENTIAL TRAVEL (HYSTERESIS)	3–15% (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
OFF–STATE (LEAKAGE) CURRENT	< 0.1 mA
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
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)
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	YELLOW: OUTPUT ENERGIZED
RATED OPERATING DISTANCE(Sn)	8 mm = .315" (NOMINAL)
SWITCHING FREQUENCY	2000 Hz
REPEATABILITY	≤ 2% of RATED OPERATING DISTANCE
EMBEDDABLE (SHIELDED)	NO



NOTES:

1. UPROX HAS WELD FIELD IMMUNITY, SENSOR IS SUITABLE FOR USE ON RESISTANCE MACHINES.

2. MATERIAL:
   TEFLON–COATED BRASS BARREL
   CHROME–PLATED BRASS CONNECTOR
   TEFLON–COATED BRASS LOCKNUTS
   BLACK CHROMATED STEEL LOCKWASHERS
   TEFLON–COATED PA12–GF30 PLASTIC SENSING FACE.

NOTE
PRELIMINARY SPECIFICATIONS

REV	DESCRIPTION	BY	DATE	ECO NO.
P1		CBM	01/15/00	

RELATED DOCUMENTS
1.
2.
3.
4.

3RD ANGLE PROJECTION

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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

TOLERANCES UNLESS OTHERWISE SPECIFIED
.X ±0.02
.XX ±0.01
.XXX ±0.005
ANGLES ±1°
ALL MILLIMETER DIMENSIONS ARE REFERENCE ONLY

DRFT: CBM | DATE: 01/15/00
DSGN | SCALE: NONE

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

DESCRIPTION: Ni 8U–MT12E–AN6X–H1141

IDENTIFICATION NO.: M1644251 | REV: P1

FILE: M1644251 | SHEET 1 OF 1

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