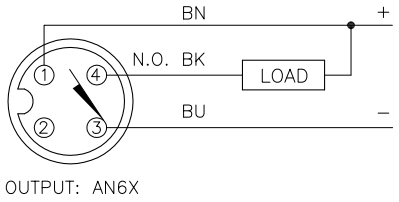
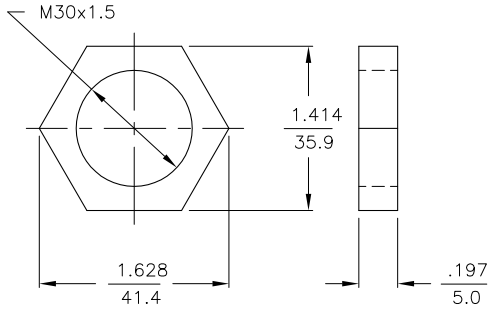
WIRING DIAGRAMS



OUTPUT: AN6X

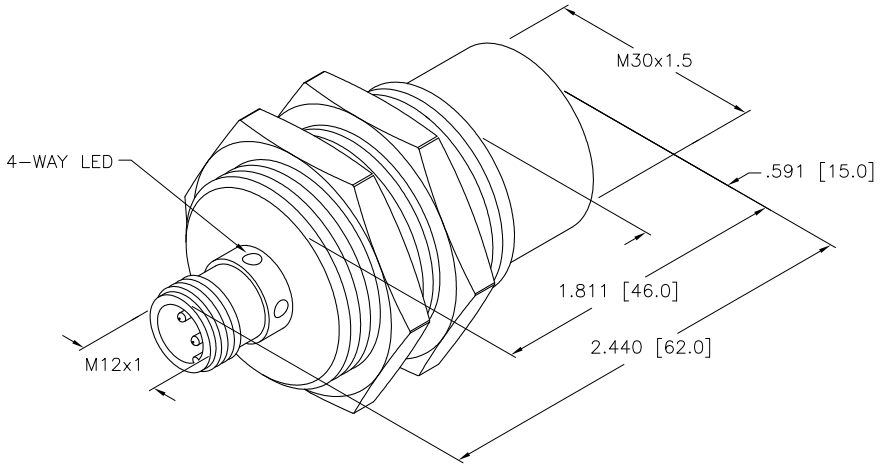
SHORT–CIRCUIT AND OVERLOAD PROTECTED

LOCKNUT LN–M30



SPECIFICATIONS

RATED OPERATING DISTANCE	30mm = 1.181"
MOUNTING MODE	NON–FLUSH
MIN. REPEAT ACCURACY	≤ 2%
TEMPERATURE DRIFT	≤ ±10% ≤ ±15%, ≤ –25°C v ≥ +70°C
HYSTERESIS	3–15%
OPERATING TEMPERATURE	–30°C to +85°C (–22°F to +185°F)
RATED OPERATIONAL VOLTAGE	10–30 VDC
RESIDUAL RIPPLE	≤ 10%
DC RATED OPERATIONAL CURRENT	≤ 200 mA
NO–LOAD CURRENT	≤ 15 mA
RESIDUAL CURRENT	≤ 0.1 mA
RATED INSULATION VOLTAGE	≤ 0.5 kV
SHORT–CIRCUIT PROTECTION	YES
MAX. VOLTAGE DROP	≤ 1.8 V
WIRE BREAKAGE PROTECTION	INCORPORATED
REVERSE POLARITY PROTECTION	INCORPORATED
OUTPUT FUNCTION	3–WIRE, NORMALLY OPEN, NPN
MAX. SWITCHING FREQUENCY	≤ 0.5 kHz
HOUSING MATERIAL	METAL, BRASS/CHROME–PLATED
ACTIVE FACE MATERIAL	PLASTIC, LCP–GF30
CONNECTION	M12x1
VIBRATION RESISTANCE	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
SHOCK RESISTANCE	30 g, 11 ms
DEGREE OF PROTECTION	IP68
SWITCHING STATUS INDICATION	LED, YELLOW



SOURCE DRAWING - FOR REFERENCE ONLY

NOTES:

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

REV	DESCRIPTION	BY	DATE	ECO NO.
A	DRAWING RELEASE	RDS	09/14/07	

RELATED DOCUMENTS
1.
2.
3.
4.

3RD ANGLE PROJECTION

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MATERIAL

FINISH

ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY

CONTACT TURCK FOR MORE INFORMATION

DRFT RDS | DATE 09/14/07

DSGN AF | SCALE 1=1.0

UNIT OF MEASUREMENT

INCH [MILLIMETER]

DO NOT SCALE THIS DRAWING

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DESCRIPTION
NI30U–M30–AN6X–H1141

IDENTIFICATION NO. M1644635

REV A

FILE: M1644635