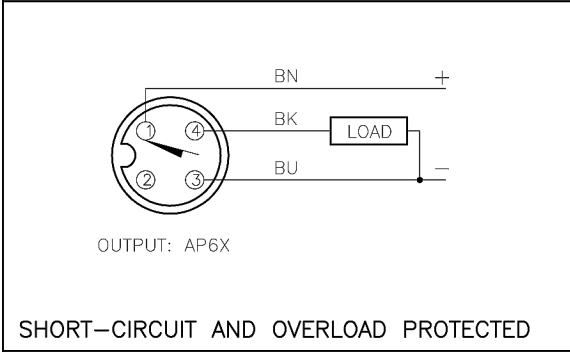


WIRING DIAGRAMS



4-WAY LED

M12x1

NOTES:

1. UPROX HAS WELD FIELD IMMUNITY, SENSOR IS SUITA
RESISTANCE MACHINES.

A	DRAWING RELEASE
REV	DESCRIPTION

LOCKNUT LN-M30

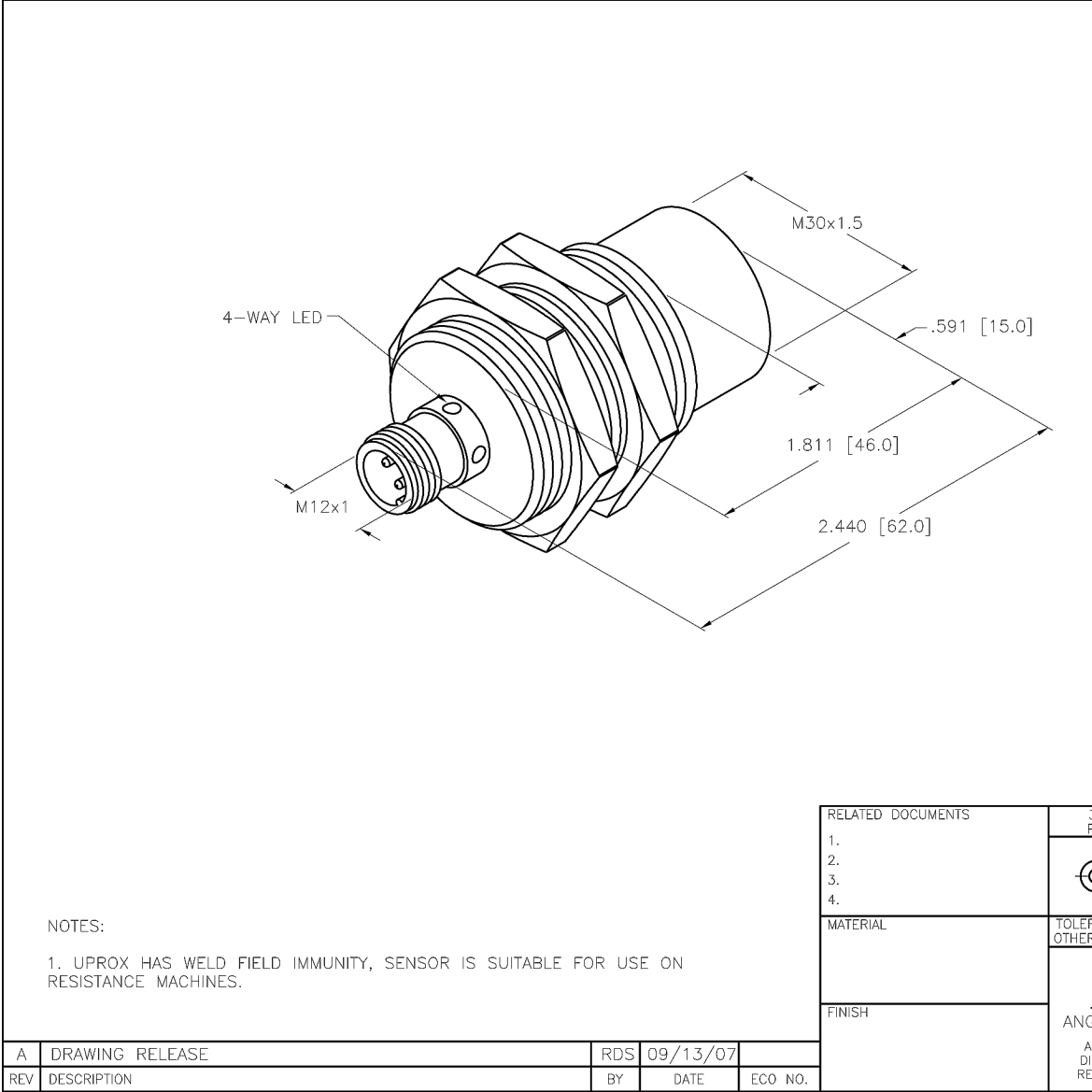
Technical drawing of a hexagonal locknut (LN-M30) showing front and side views with dimensions.

Front View Dimensions:

- Hexagon Side Length: 1.628
- Hexagon Width (across flats): 41.4
- Inner Circle Diameter: M30x1.5
- Inner Circle Diameter (alternative dimension): 35.9

Side View Dimensions:

- Height: 1.414
- Bottom Flange Thickness: .197
- Bottom Flange Width: 5.0



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, PNP
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

DRAWING IS PROPERTY OF INC. USE OF DOCUMENT OUT WRITTEN MISSION IS PROHIBITED.		TURCK INC <i>High Technology Sensors and Automation Controls</i>	
RDS	DATE 09/13/07	DESCRIPTION NI30U-M30-AP6X-H1141	
AF	SCALE 1=1.0		
UNIT OF MEASUREMENT INCH [MILLIMETER]		IDENTIFICATION NO. M1646631	REV A
DO NOT SCALE THIS DRAWING		FILE: M1646631	SHEET 1 OF 1

A	DRAWING RELEASE	RDS	09/13/07	
REV	DESCRIPTION	BY	DATE	ECO NO.

RELATED DOCUMENTS
1.
2.
3.
4.
MATERIAL
FINISH

<p>TOLERANCES UNLESS OTHERWISE SPECIFIED</p> <p>.X ± 0.02 .XX ± 0.01 .XXX ± 0.005</p> <p>ANGLES $\pm 1^\circ$</p> <p>ALL MILLIMETER DIMENSIONS ARE REFERENCE ONLY</p>

DRFT	RDS
DSGN	AF
UNIT OF M	
INCH [M	
DO NOT SCAN	

DRFT	RDS	DATE 09/13/07
DSGN	AF	SCALE 1=1.0

DO NOT SCALE THIS DRAWING

UNIT OF MEASUREMENT

FILE: M1646631

SHEET 1 OF 1