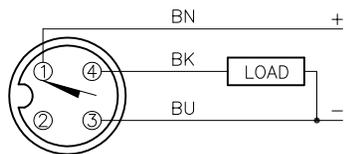


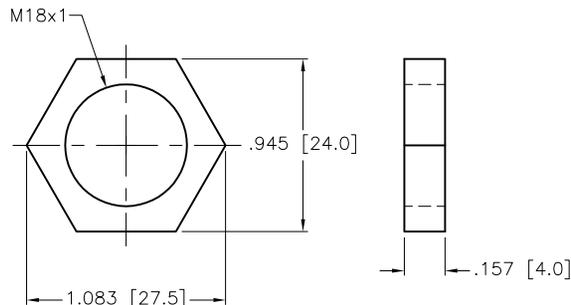
WIRING DIAGRAM



OUTPUT: AP6X

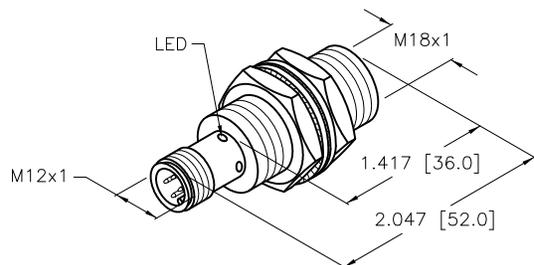
SHORT-CIRCUIT AND OVERLOAD PROTECTED

LOCKNUT LN-MT18



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	< 10 μA
NO-LOAD CURRENT	≤ 15 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	EN 60947-5-2
OPERATING TEMPERATURE:	10% TEMP. DRIFT: -25°C to +70°C (-13°F to +158°F) 15% TEMP. 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 ON	OUTPUT ENERGIZED
LED FLASHING	SHORT-CIRCUIT WARNING
RATED OPERATING DISTANCE(Sn)	5 mm = .197" (NOMINAL)
SWITCHING FREQUENCY	2500 Hz
REPEATABILITY	≤ 2% of RATED OPERATING DISTANCE
EMBEDDABLE (SHIELDED)	YES



NOTES:

1. UPROX HAS WELD FIELD IMMUNITY, SENSOR IS SUITABLE FOR USE ON RESISTANCE WELDING MACHINES.
2. MATERIALS:  
PTFE COATED BRASS BARREL.  
CHROME PLATED BRASS CONNECTOR.  
PTFE COATED BRASS LOCKNUTS.  
BLACK CHROMATED STEEL LOCKWASHERS.  
PTFE COATED PA 12-GF30 PLASTIC SENSING FACE.

RELATED DOCUMENTS 1. 2. 3. 4.	3RD ANGLE PROJECTION	THIS DRAWING IS CONFIDENTIAL AND THE PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED.	 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 2		DRFT IK DSGN	DATE 3/22/99 SCALE 1=2.0
FINISH	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY	UNIT OF MEASUREMENT <b>INCH [ MILLIMETER ]</b>	IDENTIFICATION NO. M1635240	REV C
C REMOVE TRADEMARKED MATERIAL REFERENCES REV DESCRIPTION	CBM 11/16/12 BY DATE ECO NO.	CONTACT TURCK FOR MORE INFORMATION	DO NOT SCALE THIS DRAWING	FILE: M1635240 SHEET 1 OF 1