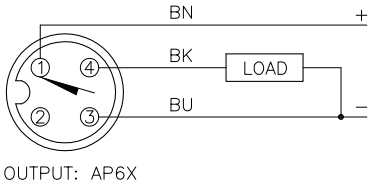
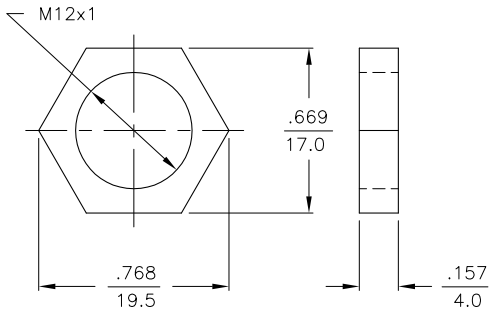
WIRING DIAGRAM



OUTPUT: AP6X

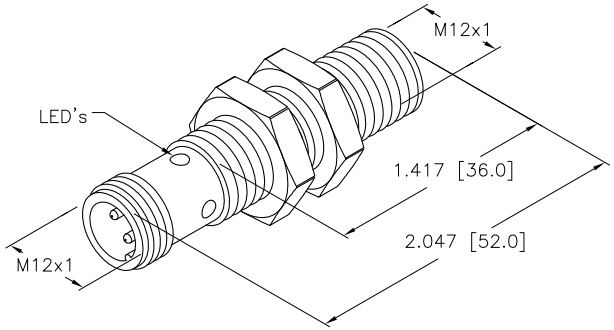
SHORT–CIRCUIT AND OVERLOAD PROTECTED

LOCKNUT LN–M12



SPECIFICATIONS

RATED OPERATING DISTANCE	4mm = .158" (NOMINAL)
MOUNTING MODE	FLUSH
MIN. REPEAT ACCURACY	≤ 2%
TEMPERATURE DRIFT	≤ ±10%
HYSTERESIS (SWITCHING DISTANCE)	3–15%
OPERATING TEMPERATURE	–40°C to +100°C (–40°F to +212°F)
RATED OPERATIONAL VOLTAGE	10–30 VDC
MAX. RIPPLE	≤ 10%
RATED OPERATIONAL CURRENT	≤ 200 mA
NO–LOAD CURRENT	≤ 15 mA
MAX. OFF–STATE CURRENT	≤ 0.1 mA
RATED INSULATION VOLTAGE	≤ 0.5 kV
SHORT–CIRCUIT PROTECTION	INCORPORATED
MAX. VOLTAGE DROP	≤ 1.8 V
WIRE BREAKAGE PROTECTION	INCORPORATED
REVERSE POLARITY PROTECTION	INCORPORATED
OUTPUT FUNCTION	3–WIRE, NORMALLY OPEN, PNP
MAX. SWITCHING FREQUENCY	≤ 2 kHz
HOUSING MATERIAL	METAL, A4 1.4404 (AISI 316L)
ACTIVE FACE	PLASTIC, LCP–GF30
CONNECTOR HOUSING MATERIAL	PLASTIC, PP
CONNECTOR	M12x1, FIXCON COMPATIBLE
VIBRATION RESISTANCE	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
SHOCK RESISTANCE	30 g, 11 ms
DEGREE OF PROTECTION	IP68/IP69K
SWITCHING STATUS INDICATION	LED, YELLOW



SOURCE DRAWING - FOR REFERENCE ONLY

REV	DESCRIPTION	BY	DATE	ECO NO.
B	UPDATE TEMP SPEC	RDS	05/28/08	21535

RELATED DOCUMENTS
1.
2.
3.
4.

3RD ANGLE PROJECTION

THIS DRAWING IS PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED.

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

FINISH

ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY

CONTACT TURCK FOR MORE INFORMATION

DRFT RDS | DATE 04/18/06

DSGN | SCALE 1=1.0

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

DESCRIPTION
BI 4U–EM12WD–AP6X–H1141

IDENTIFICATION NO. M1634812 | REV B

FILE: M1634812 | SHEET 1 OF 1