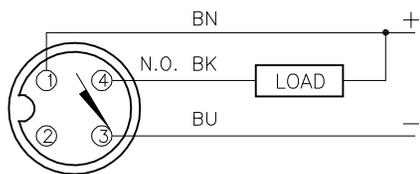


WIRING DIAGRAM

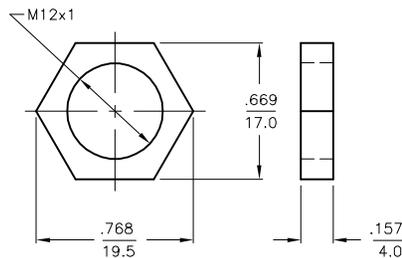
LOCKNUT LN-M12 (SST)

SPECIFICATIONS

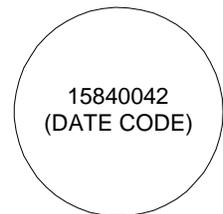
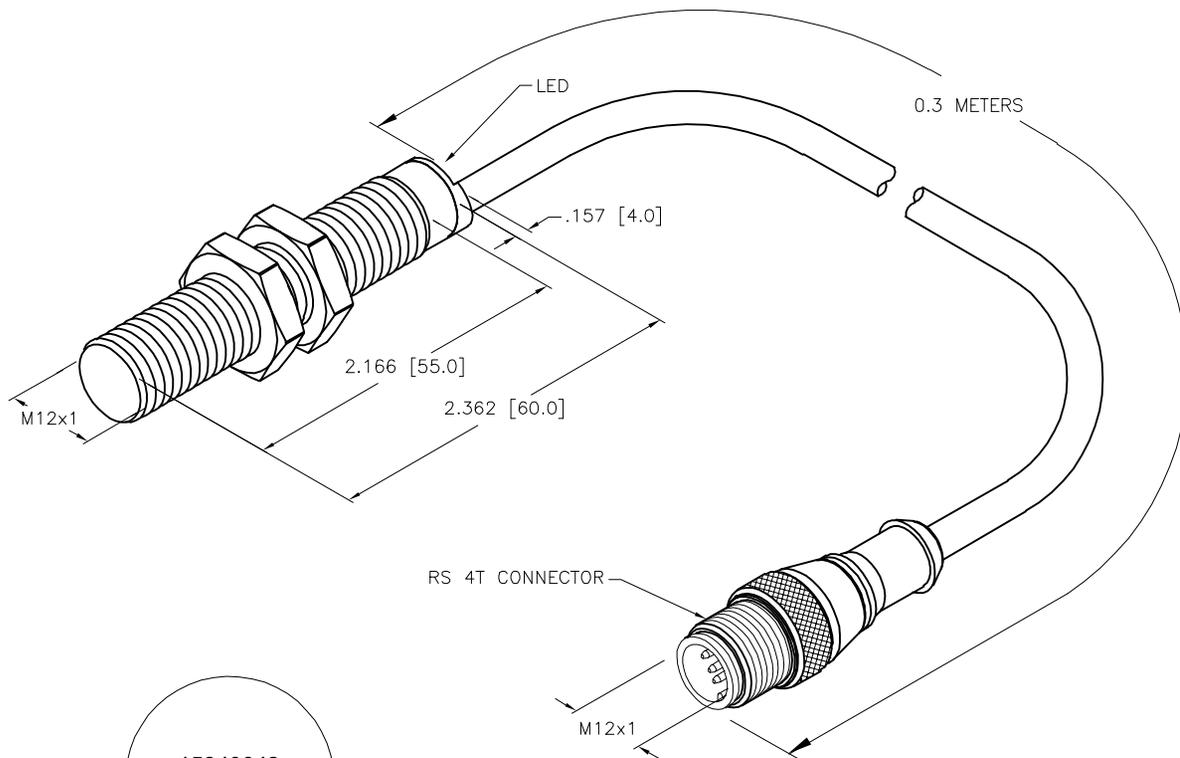


OUTPUT: AN45XLD

SHORT-CIRCUIT AND OVERLOAD PROTECTED



RATED OPERATING DISTANCE	4.0 mm [.157"]
MOUNTING MODE	FLUSH
TEMPERATURE DRIFT	≤ ±10% ≤ ±15%, ≤ -25°C V ≥ +70°C
HYSTERESIS	3-15%
MIN. REPEAT ACCURACY	≤ 2%
AMBIENT TEMPERATURE	-40°C to +85°C (-40°F to +185°F)
OPERATING VOLTAGE	8.4-65 VDC
RESIDUAL RIPPLE	≤ 10%
DC OPERATIONAL CURRENT	≤ 200 mA
NO-LOAD CURRENT	≤ 15 mA
RESIDUAL CURRENT	≤ 0.1 mA
RATED INSULATION VOLTAGE	≤ 0.5 kV
OUTPUT FUNCTION	3-WIRE, NORMALLY OPEN, NPN
SHORT-CIRCUIT PROTECTION	YES
MAX. VOLTAGE DROP	≤ 1.8 V
WIRE BREAKAGE PROTECTION	INCORPORATED
REVERSE POLARITY PROTECTION	INCORPORATED
LOAD DUMP PROTECTION	IV/LEVEL 4, din 40839 (SAE J 1113-11)
SWITCHING FREQUENCY	≤ 2.0 kHz
HOUSING MATERIAL	SST, AISI 304 (1.4301)
ACTIVE FACE MATERIAL	PLASTIC, PA12-GF30
END CAP MATERIAL	PLASTIC, EPTR
CONNECTION	CABLE
CABLE	∅5.2, TPE
VIBRATION RESISTANCE	55 Hz (IN ALL 3 PLANES)
SHOCK RESISTANCE	150 g, 6 ms, (IN ALL 3 PLANES)
DEGREE OF PROTECTION	IP68/IP69K
SWITCHING STATUS INDICATION	LED/YELLOW
NOISE IMMUNITY	100 V/m RADIATED & 100 mA BCI



PART NUMBER LASER MARKED ON FACE

SOURCE DRAWING - FOR REFERENCE ONLY

RELATED DOCUMENTS	3RD ANGLE PROJECTION	THIS DRAWING IS CONFIDENTIAL AND THE PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED.		3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-0708 fax www.turck.us	
1.		DRFT	RDS	DATE	12/08/11
2.		APVD	A.F.	SCALE	1=1.0
3.	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY	UNIT OF MEASUREMENT		DESCRIPTION	
4.		INCH [MILLIMETER]		BI4-EM12E-AN45XLD-0.3-RS4T	
MATERIAL	CONTACT TURCK FOR MORE INFORMATION	IDENTIFICATION NO.		REV	
SEE SPECIFICATIONS		15840042		E	
FINISH	DO NOT SCALE THIS DRAWING	FILE: 15840042		SHEET 1 OF 1	
SEE SPECIFICATIONS					

E	UPDATE LASER DETAIL	NF	09/26/23	79296
REV	DESCRIPTION	BY	DATE	ECO NO.