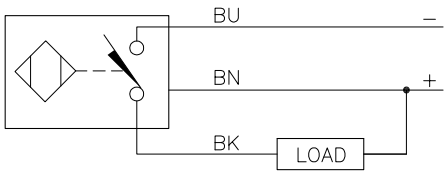
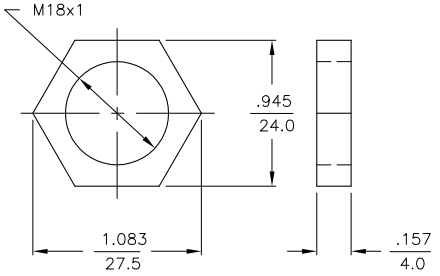
WIRING DIAGRAM



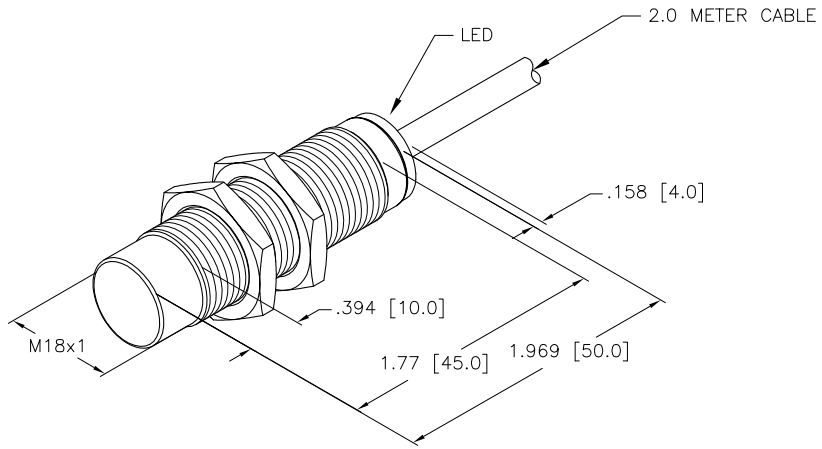
OUTPUT: AN5X

LOCKNUT LN–M18



SPECIFICATIONS

RATED OPERATING DISTANCE	10mm [.394"]
MOUNTING MODE	NON–FLUSH
HYSTERESIS (DIFFERENTIAL TRAVEL)	1–10%
MIN. REPEAT ACCURACY	≤ 2%
TEMPERATURE DRIFT	≤ ± 10% ≤ ± 20%, ≤ –25°C v ≥ +70°C
OPERATING TEMPERATURE	–40°C to +70°C (–40°F to +158°F)
RATED OPERATIONAL VOLTAGE	4.75–5.25 VDC
MAX. RIPPLE	≤ 10%
DC RATED OPERATIONAL CURRENT	≤ 50 mA
NO–LOAD CURRENT	≤ 6 mA
OFF–STATE CURRENT	≤ 0.1 mA
RATED INSULATION VOLTAGE	≤ 0.5 kV
SHORT–CIRCUIT PROTECTED	NO
MAX. VOLTAGE DROP	≤ 0.1 V
REVERSE POLARITY PROTECTION	CONDITIONAL (PLUS + MINUS)
WIRE–BREAK PROTECTION	INCORPORATED
OUTPUT FUNCTION	3–WIRE, NORMALLY OPEN, NPN
MAX. SWITCHING FREQUENCY	≤ 0.5 kHz
HOUSING MATERIAL	METAL, BRASS/CHROME–PLATED
ACTIVE FACE	PLASTIC, PA12–GF20
END CAP MATERIAL	PLASTIC, EPTR
CABLE	ø5.9, LifYY–11Y, TPU/YELLOW
SHOCK RESISTANCE	30 g, 11 ms
VIBRATION RESISTANCE	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
DEGREE OF PROTECTION	IP67
SWITCHING STATUS INDICATION	LED, YELLOW



CABLE LENGTH	TOLERANCE
ALL LENGTHS	+ 4% (OR 50mm) OF LENGTH – 0% (OR 0mm) OF LENGTH WHICHEVER IS GREATER
STRIP LENGTH	**TOLERANCE**
0–7mm	±0.5mm
8–29mm	±1.0mm
30–49mm	±2.0mm
50–69mm	±3.0mm
70–100mm	±4.0mm
OVER 100mm	±5.0mm

NOTES:

1. "/CS11591" DESIGNATES SPECIAL BRAIDED, SHIELDED TPU CABLE USED. LOW OPERATING TEMPERATURE: –40°C.

2. INCLUDES WRAP LABEL WITH MDT PART NUMBER: 40224447–001

SOURCE DRAWING - FOR REFERENCE ONLY

REV	DESCRIPTION	BY	DATE	ECO NO.
B	DRAWING PROCESSED AS PART OF ECO 33971	CBM	04/06/11	33971

RELATED DOCUMENTS
1.
2.
3.
4.

3RD ANGLE PROJECTION

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MATERIAL

FINISH

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CONTACT TURCK FOR MORE INFORMATION

DRFT RDS | DATE 06/22/10
DSGN | SCALE 1=1.3

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

DESCRIPTION
NI10–M18–AN5X/CS11591

IDENTIFICATION NO. T1510690 | REV B

FILE: T1510690 | SHEET 1 OF 1