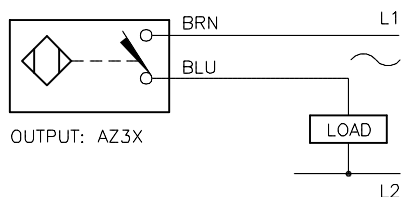
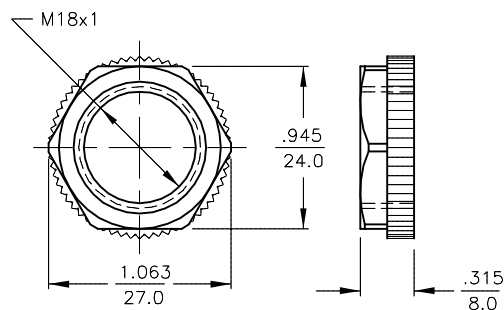


WIRING DIAGRAM



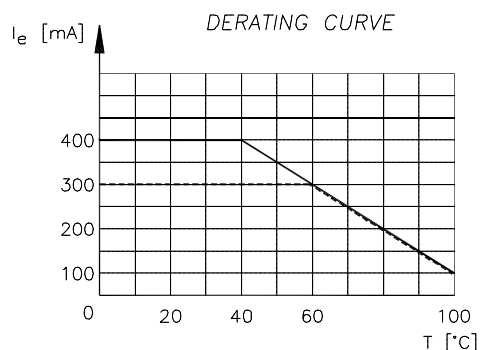
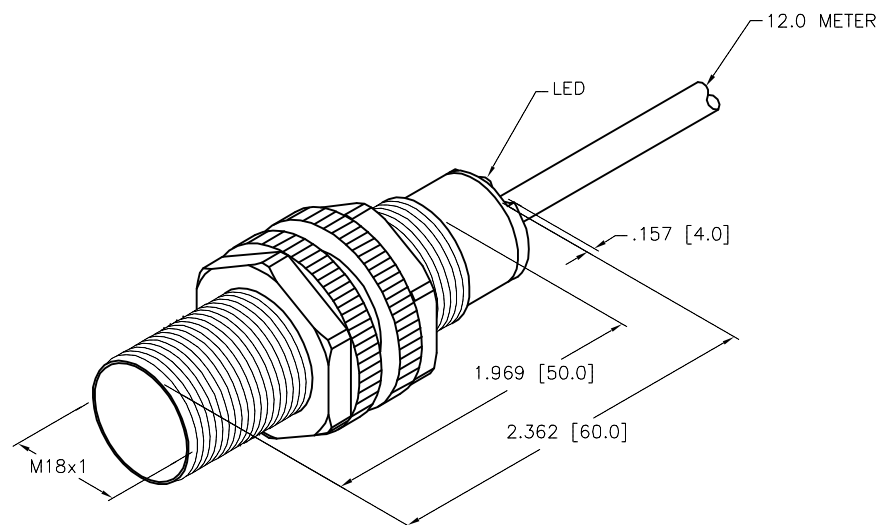
WARNING: NO SHORT-CIRCUIT PROTECTION
ALWAYS WIRE A LOAD IN SERIES WITH THE SENSOR.

LOCKNUT LN-P18



SPECIFICATIONS

RATED OPERATING DISTANCE	5mm = .197" (NOMINAL)
MOUNTING MODE	FLUSH
TEMPERATURE DRIFT	$\leq \pm 10\%$ $\leq \pm 20\%, \geq 70^\circ\text{C}$
HYSTERESIS (SWITCHING DISTANCE)	3-15%
MIN. REPEAT ACCURACY	$\leq 2\%$
OPERATING TEMPERATURE	-25°C to $+100^\circ\text{C}$ (-13°F to $+212^\circ\text{F}$)
RATED OPERATIONAL VOLTAGE	20-250 VAC/10-300 VDC
RATED OPERATIONAL CURRENT	SEE DERATING CURVE
RATED OPERATIONAL CURRENT (AC/DC)	$\leq 400\text{ mA}/\leq 300\text{ mA}$
MAINS FREQUENCY	50-60 Hz
RESIDUAL CURRENT	$\leq 1.7\text{ mA}$
RATED INSULATION VOLTAGE	$\leq 1.5\text{ kV}$
SURGE CURRENT	$\leq 8.0\text{ A}$ ($\leq 10\text{ ms MAX. 5 Hz}$)
MAX. VOLTAGE DROP	$\leq 6.0\text{ V}$
OUTPUT FUNCTION	NORMALLY OPEN, 2-WIRE
SMALLEST OPERATING CURRENT	$\geq 3.0\text{ mA}$
MAX. SWITCHING FREQUENCY	$\leq 0.02\text{ kHz}$
HOUSING MATERIAL	PLASTIC, PA12-GF20
ACTIVE FACE MATERIAL	PLASTIC, PA12-GF20
END CAP MATERIAL	PLASTIC, EPTR
CABLE	$\varnothing 5.2$, PVC
SHOCK	30 g, 11 ms
VIBRATION	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
DEGREE OF PROTECTION	IP67
SWITCHING STATUS INDICATION	LED: RED



NOTES:

1. "/S100" DESIGNATES SENSOR GOOD TO 100°C (212°F).

CABLE LENGTH	TOLERANCE *
ALL LENGTHS	+ 4% (OR 50mm) OF LENGTH - 0% (OR 0mm) OF LENGTH WHICHEVER IS GREATER
STRIP LENGTH	TOLERANCE *
0-7mm	$\pm 0.5\text{ mm}$
8-29mm	$\pm 1.0\text{ mm}$
30-49mm	$\pm 2.0\text{ mm}$
50-69mm	$\pm 3.0\text{ mm}$
70-100mm	$\pm 4.0\text{ mm}$
OVER 100mm	$\pm 5.0\text{ mm}$

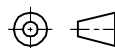
* UNLESS OTHERWISE SPECIFIED

SOURCE DRAWING - FOR REFERENCE ONLY

RELATED DOCUMENTS

- 1.
- 2.
- 3.
- 4.

3RD ANGLE PROJECTION



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MATERIAL

-

FINISH

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FOR MORE
INFORMATION

DRFT

RDS

DATE 12/18/17

APVD

A.F.

SCALE 1=1.0

UNIT OF MEASUREMENT

INCH [MILLIMETER]

DO NOT SCALE THIS DRAWING

DESCRIPTION

BI5-S18-AZ3X/S100 12M

IDENTIFICATION NO.

1373403

REV

A

FILE: 1373403

SHEET 1 OF 1

A	DRAWING RELEASE	RDS	12/18/17	
REV	DESCRIPTION	BY	DATE	ECO. NO.