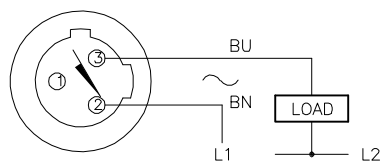


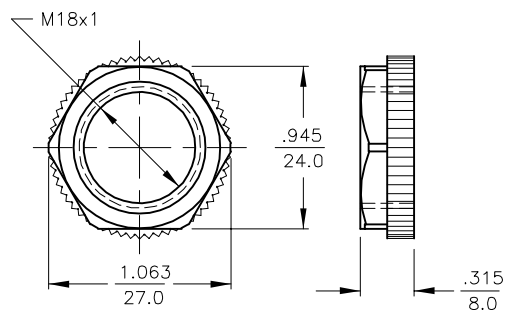
WIRING DIAGRAM



OUTPUT: AZ3X

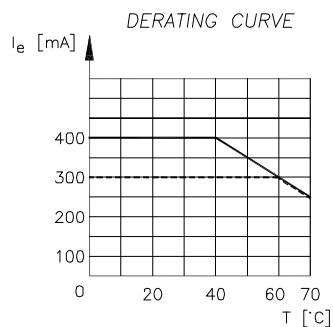
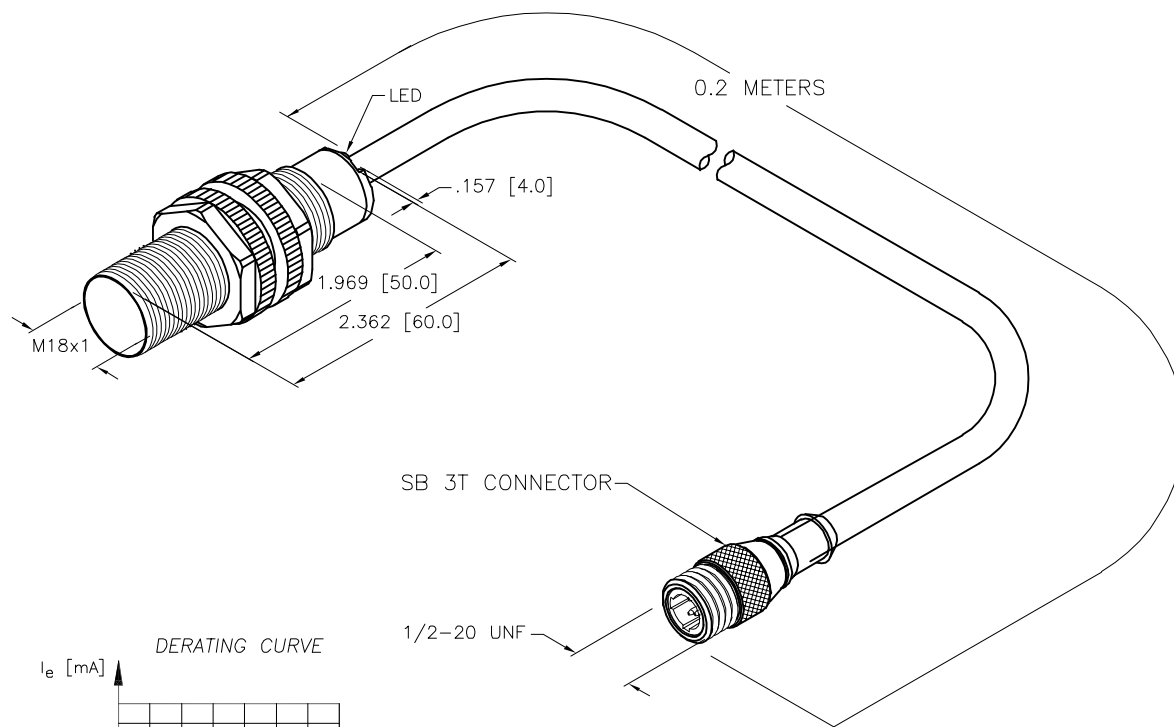
WARNING: NO SHORT-CIRCUIT PROTECTION
ALWAYS WIRE A LOAD IN SERIES WITH THE SENSOR.

LOCKNUT LN-P18



SPECIFICATIONS

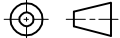

RATED OPERATING DISTANCE	5mm = .197" (NOMINAL)
MOUNTING MODE	FLUSH
TEMPERATURE DRIFT	$\leq \pm 10\%$
HYSTERESIS	3–15%
MIN. REPEAT ACCURACY	$\leq 2\%$
OPERATING TEMPERATURE	-25°C to $+70^{\circ}\text{C}$ (-13°F to $+158^{\circ}\text{F}$)
RATED OPERATIONAL VOLTAGE	20–250 VAC/10–300 VDC
RATED OPERATIONAL 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-GF30
ACTIVE FACE MATERIAL	PLASTIC, PA12-GF30
END CAP MATERIAL	PLASTIC, EPTR
CABLE	$\varnothing 5.2$, LifYY, 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. "/S1023" DESIGNATES WET/WASHDOWN APPLICATIONS. LENSED LEDS AND SERPENTINE FULLY POTTED INTERNAL CABLE.

SOURCE DRAWING - FOR REFERENCE ONLY

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MATERIAL SEE SPECIFICATIONS	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY	DRFT	RDS	DATE	11/18/10	DESCRIPTION BI5-S18-AZ3X-0.2-SB3T/S1023		
		APVD		SCALE	1=1.5			
FINISH	CONTACT TURCK FOR MORE INFORMATION	UNIT OF MEASUREMENT INCH [MILLIMETER]				IDENTIFICATION NO. 4350495		REV D
		DO NOT SCALE THIS DRAWING				FILE: 4350495		SHEET 1 OF 1

D	UPDATE DESCRIPTION	NF	09/28/20	76193
REV	DESCRIPTION	BY	DATE	ECO NO.