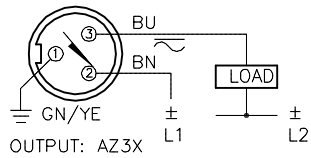
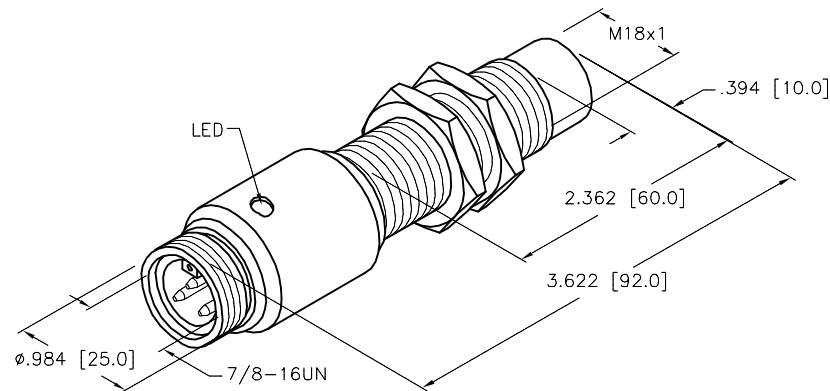


# WIRING DIAGRAM



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



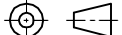
## NOTE: MATERIALS:

BARREL - CHROME PLATED BRASS  
LOCKNUTS - CHROME PLATED BRASS  
CONNECTOR - CHROME PLATED BRASS  
SENSING FACE - PA12-GF30 PLASTIC

# SPECIFICATIONS

OPERATING VOLTAGE	20-250 VAC, 10-300 VDC
LINE FREQUENCY	40-60 Hz
DIFFERENTIAL TRAVEL (HYSTERESIS)	3-15% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	<7.0 V at FULL RATED CURRENT
OUTPUT FUNCTION	NORMALLY OPEN 2-WIRE AC/DC
SHORT-CIRCUIT PROTECTED	NO
CONTINUOUS LOAD CURRENT	AC: ≤400 mA; DC: ≤300 mA
OFF-STATE (LEAKAGE) CURRENT	<1.7 mA
MINIMUM LOAD CURRENT	≥5.0 mA
INRUSH CURRENT	≤8.0 A (≤10 ms, 5% DUTY CYCLE)
TIME DELAY BEFORE AVAILABILITY	≤25 ms
POWER-ON EFFECT	Per IEC 947-5-2
TRANSIENT PROTECTION	Per EN 60947-5-2
OPERATING TEMPERATURE	-25°C to +70°C (-13°F to +158°F)
ENCLOSURE	MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67
SHOCK	30 g, 11 ms
VIBRATION	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
LED FUNCTION	RED: OUTPUT ENERGIZED
RATED OPERATING DISTANCE(S <sub>n</sub> )	10 mm = .394" (NOMINAL)
SWITCHING FREQUENCY	20 Hz
REPEATABILITY	≤2% OF RATED OPERATING DISTANCE
EMBEDDABLE (SHIELDED)	NO
MATING PLUGS/CABLES	3-PIN "MINIFAST" CONSTRUCTION
LOCKNUT M18x1	24.0 mm AF, 27.5 mm AC, 4.0 mm THK

SOURCE DRAWING - FOR REFERENCE ONLY

RELATED DOCUMENTS  1.  2.  3.  4.	3RD ANGLE PROJECTION	<div>THIS DRAWING IS CONFIDENTIAL AND THE PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED.</div> <div>TURCK</div>		<div>3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-0708 fax www.turck.us</div>				
								
MATERIAL  SEE NOTE	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY  CONTACT TURCK FOR MORE INFORMATION	DRFT	SWC	DATE	05/06/87	DESCRIPTION  NI10-G18-AZ3X-B1331 60MM		
		APVD		SCALE	1=2.0			
FINISH			UNIT OF MEASUREMENT			IDENTIFICATION NO.  4372199		REV  E
			INCH [ MILLIMETER ]					
9		DO NOT SCALE THIS DRAWING			FILE: 4372199		SHEET 1 OF 1	