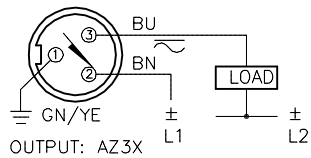
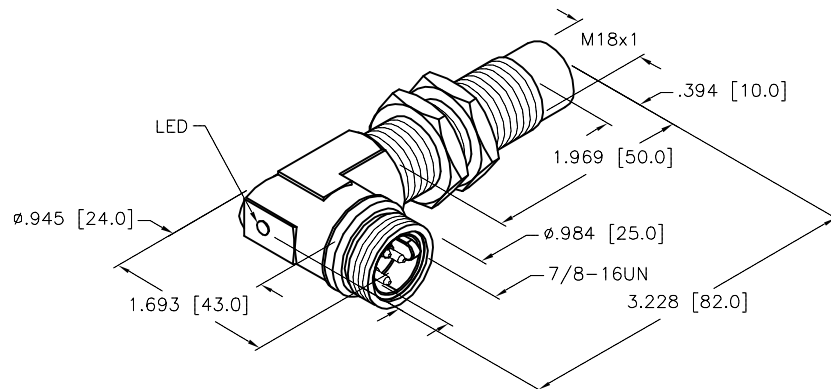


## WIRING DIAGRAM



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



## NOTE:

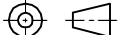

## MATERIALS:

BARREL - CHROME PLATED BRASS  
LOCKNUTS - CHROME PLATED BRASS  
CONNECTOR - CHROME PLATED BRASS  
SENSING FACE - PA12-GF30 PLASTIC  
CONNECTOR ADAPTER - DIE-CAST ZINC

## 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

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1. 2. 3. 4.									
MATERIAL									
SEE NOTE		ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY		DRFT GMB		DATE 09/28/88		DESCRIPTION NI10-G18-AZ3X-B1431	
				APVD		SCALE 1=2.0			
FINISH		CONTACT TURCK FOR MORE INFORMATION		UNIT OF MEASUREMENT  INCH [ MILLIMETER ]		IDENTIFICATION NO.  4372500		REV  F	
9				DO NOT SCALE THIS DRAWING		FILE: 4372500		SHEET 1 OF 1	