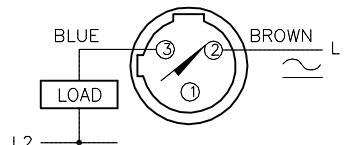
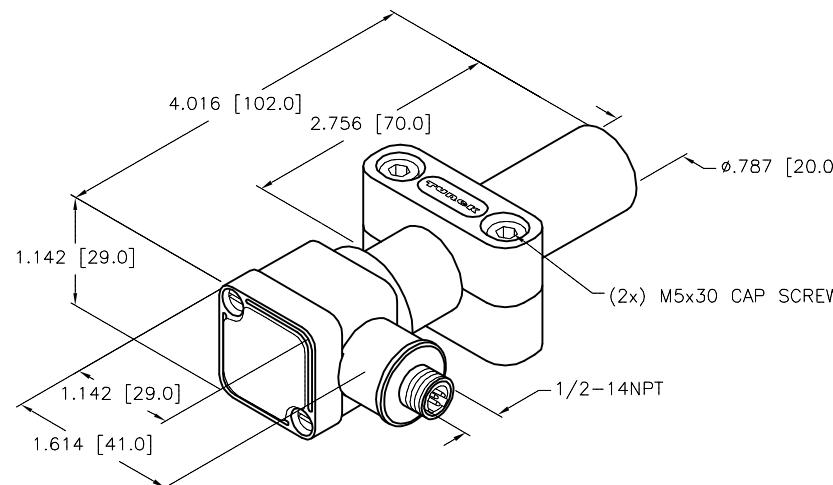


## WIRING DIAGRAM



OUTPUT: AZ3X2

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



## SPECIFICATIONS

RATED OPERATING DISTANCE	10 mm = .394" (NOMINAL)
MOUNTING MODE	NON-FLUSH
REPEAT ACCURACY	≤ 2%
TEMPERATURE DRIFT	≤ ± 10%
HYSTERESIS	3-15%
OPERATING TEMPERATURE	-25°C to +70°C (-13°F to +158°F)
OPERATING VOLTAGE	20-250 VAC, 10-300 VDC
RATED OPERATIONAL CURRENT	AC: ≤ 400 mA; DC: ≤ 300 mA
LINE FREQUENCY	50-60 Hz
RESIDUAL CURRENT	≤ 1.7 mA
RATED INSULATION VOLTAGE	≤ 1.5 kV
SURGE CURRENT	≤ 8.0 A (≤10 ms MAX., 5 Hz)
MAX. VOLTAGE DROP	≤ 6.0 V
OUTPUT FUNCTION	NORMALLY OPEN, 2-WIRE
SMALLEST OPERATING CURRENT	≥ 3.0 mA
SWITCHING FREQUENCY	≤ 0.02 kHz
HOUSING MATERIAL	PLASTIC, PA12-GF20
ACTIVE AREA MATERIAL	PLASTIC, PA12-GF20
CONNECTION	1/2-14NPT
SHOCK	30 g, 11 ms
VIBRATION	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
PROTECTION DEGREE	IEC IP67
SWITCHING STATUS INDICATION	LED; YELLOW

## NOTES:

## MATERIALS:

BARREL - PA12-GF30 PLASTIC  
TERMINAL CHAMBER - PA12-GF30 PLASTIC  
COVER - PEI PLASTIC  
COVER SCREWS - STAINLESS STEEL  
MOUNTING CLAMP - PBT PLASTIC  
CLAMP SCRES - GALVANIZED ZINC

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1.			DRFT	RDS	DATE	11/03/06	DESCRIPTION	NI10-K20SK-AZ3X2-B3131
2.			APVD	J.M.	SCALE	1=2.0		
3.					UNIT OF MEASUREMENT		IDENTIFICATION NO.	T4359290
4.					INCH [ MILLIMETER ]		REV	B
SEE NOTE		ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY		CONTACT TURCK FOR MORE INFORMATION		A\4008020 SCALE THIS DRAWING		FILE: T4359290
FINISH		NONE BPTC		A\4008020 SCALE THIS DRAWING		FILE: T4359290		SHEET 1 OF 1

B	UPDATE PINOUT	NF	02/02/15	48852
REV	DESCRIPTION	BY	DATE	ECO NO.

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