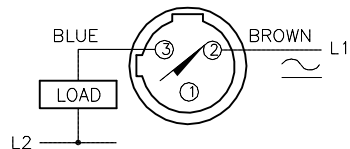
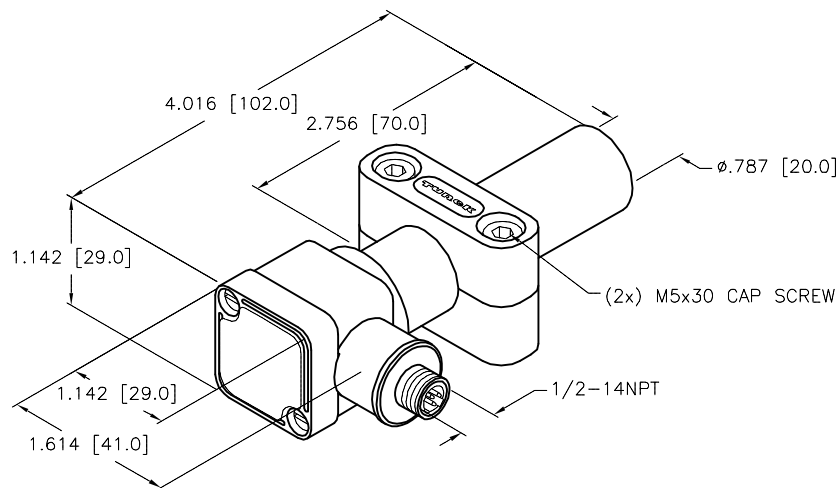


WIRING DIAGRAM



OUTPUT: AZ3X2

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



SPECIFICATIONS

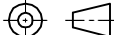

RATED OPERATING DISTANCE	10 mm = .394" (NOMINAL)
MOUNTING MODE	NON-FLUSH
REPEAT ACCURACY	≤ 2%
TEMPERATURE DRIFT	≤ ± 10%
HYSTERESIS	3-15%
OPERATING TEMPERATURE	-25°C to +70°C (-13°F to +158°F)
OPERATING VOLTAGE	20-250 VAC, 10-300 VDC
RATED OPERATIONAL CURRENT	AC: ≤ 400 mA; DC: ≤ 300 mA
LINE FREQUENCY	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

SOURCE DRAWING - FOR REFERENCE ONLY

RELATED DOCUMENTS 1. 2. 3. 4.	3RD ANGLE PROJECTION 	THIS DRAWING IS CONFIDENTIAL AND THE PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED.			<div><div></div><div>High Technology Sensors and Automation Controls</div></div> <div>3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-0708 fax turck.com</div>			
	MATERIAL SEE NOTE	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY	DRFT	RDS	DATE	DESCRIPTION NI10-K20SK-AZ3X2-B3131		
			APVD	J.M.	SCALE			
FINISH	CONTACT TURCK FOR MORE INFORMATION NONE BPTC-A\058206	UNIT OF MEASUREMENT INCH [MILLIMETER]			IDENTIFICATION NO. T4359290		REV B	
		SCALE THIS DRAWING			FILE: T4359290		SHEET 1 OF 1	

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