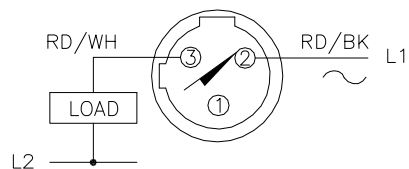
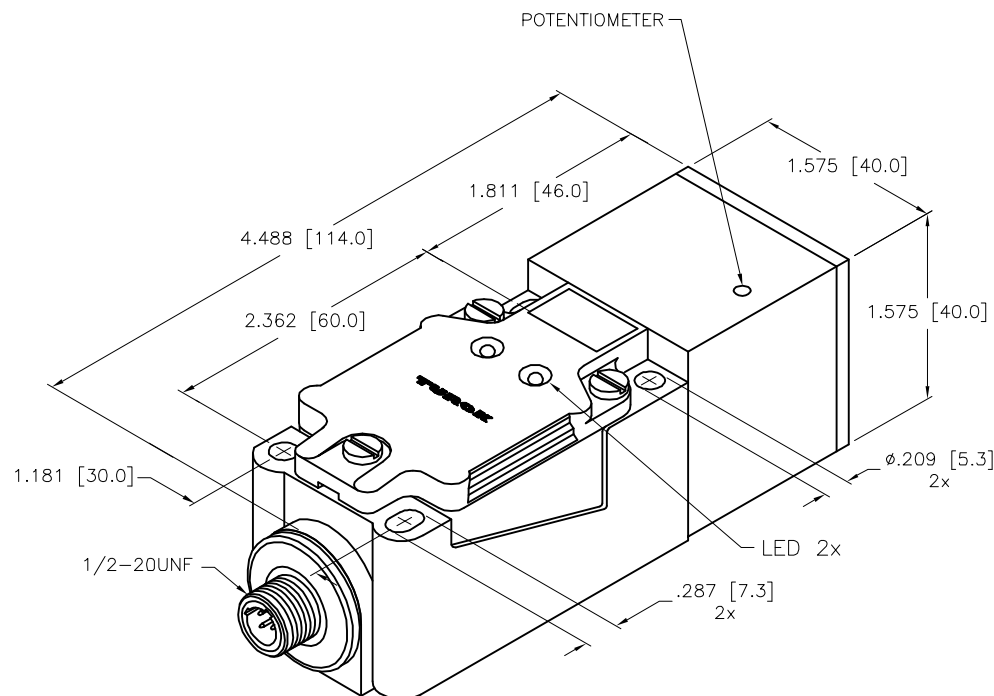


WIRING DIAGRAM



OUTPUT: FZ3X2

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



SPECIFICATIONS

RATED OPERATING DISTANCE	20 mm = .787" (NOMINAL)
TEMPERATURE DRIFT	≤ ± 10%
HYSTERESIS	3–15%
MIN. REPEAT ACCURACY	≤ 2%
OPERATING TEMPERATURE	–25°C to +70°C (–13°F to +158°F)
RATED OPERATIONAL VOLTAGE (AC/DC)	20–250 V
RATED OPERATIONAL CURRENT (AC/DC)	≤ 500 mA
FREQUENCY	50–60 kHz
RESIDUAL CURRENT	≤ 1.7 mA
RATED INSULATION VOLTAGE	≤ 1.5 kV
SURGE CURRENT	≤ 8.0 mA (≤ 10 ms MAX. 5 Hz)
VOLTAGE DROP	≤ 6.0 V
OUTPUT FUNCTION	2–WIRE, CONNECTION PROGRAMMABLE
SMALLEST OPERATING CURRENT	≥ 3.0 mA
SWITCHING FREQUENCY	≤ 0.02 kHz
HOUSING MATERIAL	PLASTIC, PBT–GF30–V0, BLACK
ACTIVE FACE	PLASTIC, PA6–GF30–X, YELLOW
VIBRATION RESISTANCE	<55 Hz, <1 mm AMPLITUDE (IN ALL 3 PLANES)
SHOCK RESISTANCE	<30 g, <11 ms
DEGREE OF PROTECTION	IP67
SWITCHING STATUS INDICATION	LED: RED
OPERATING VOLTAGE DISPLAY	LED: GREEN

SOURCE DRAWING – FOR REFERENCE ONLY

NOTES:

1. SENSING HEAD TURNS TO ACCOMMODATE 9 DIFFERENT SENSING POSITIONS.

RELATED DOCUMENTS		3RD ANGLE PROJECTION		THIS DRAWING IS CONFIDENTIAL AND THE PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED. TURCK 3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-0708 fax www.turck.us			
1. 2. 3. 4.							
MATERIAL		DRFT RDS				DATE 11/12/14	
FINISH		APVD A.F.				SCALE 1=1.3	
		ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY		DESCRIPTION			
				BC20-CP40-FZ3X2-B3131			
				UNIT OF MEASUREMENT			
		INCH [MILLIMETER]		IDENTIFICATION NO.			
		DO NOT SCALE THIS DRAWING		2311594			
				REV			
				C			
				FILE: 2311594			
				SHEET 1 OF 1			

C	UPDATE VOLTAGE AND CURRENT RATINGS	RDS	02/18/21	76520
REV	DESCRIPTION	BY	DATE	ECO NO.