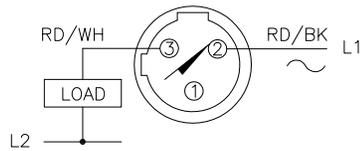
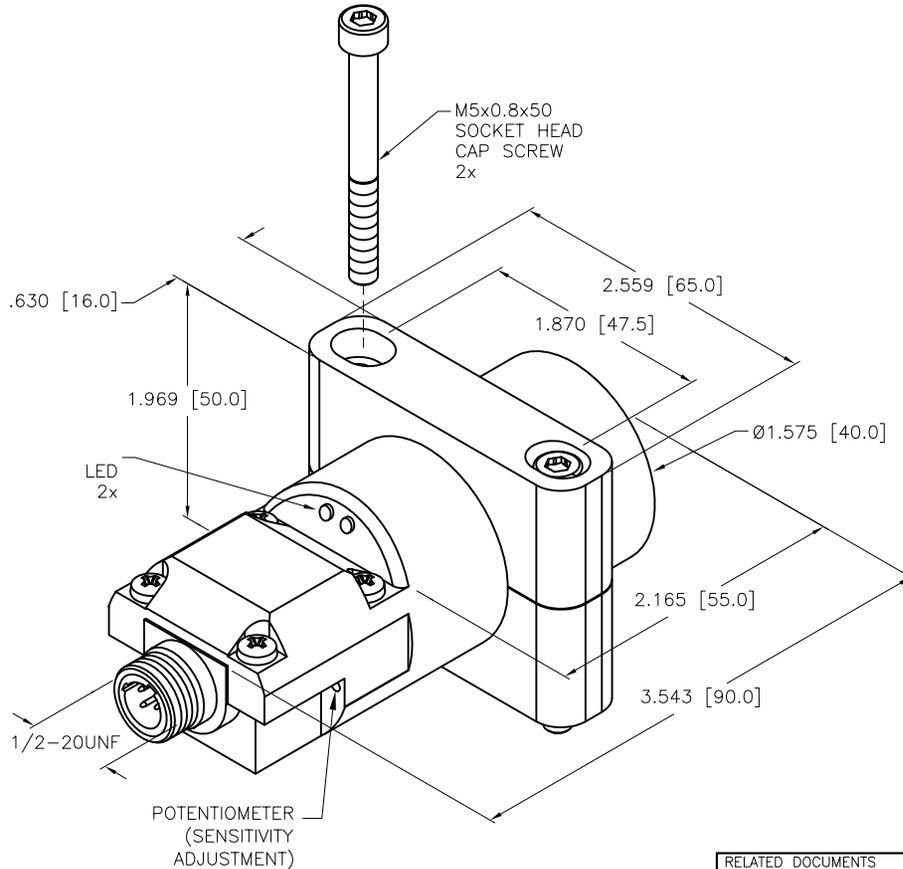


WIRING DIAGRAM



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



SPECIFICATIONS

RATED OPERATING DISTANCE	30.0 mm = 1.181" (NOMINAL)
MOUNTING MODE	NON-FLUSH
TEMPERATURE DRIFT	≤ ± 10%
HYSTERESIS (SWITCHING DISTANCE)	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 VAC/10-300 VDC
RATED OPERATIONAL CURRENT (AC/DC)	≤ 400 mA/≤ 300 mA
LINE FREQUENCY	50-60 Hz
MAX. OFF-STATE CURRENT	≤ 1.7 mA
RATED INSULATION VOLTAGE	≤ 1.5 kV
SURGE CURRENT	≤ 8 A (≤ 10 ms MAX. 5 Hz)
MAX. VOLTAGE DROP	≤ 6 V
OUTPUT FUNCTION	2-WIRE, CONNECTION PROGRAMMABLE
MIN. OPERATIONAL CURRENT	≥ 3 mA
MAX. SWITCHING FREQUENCY	≤ 0.02 kHz
HOUSING MATERIAL	PLASTIC, ABS
ACTIVE FACE	PLASTIC, ABS
VIBRATION RESISTANCE	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
SHOCK RESISTANCE	30 g, 11 ms
DEGREE OF PROTECTION	IP67
SUPPLY VOLTAGE INDICATION	LED: GREEN
SWITCHING STATUS INDICATION	LED: RED

SOURCE DRAWING - FOR REFERENCE ONLY

NOTES:

- BS-40 MOUNTING CLAMP INCLUDED WITH SENSOR.

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.	3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-0708 fax www.turck.us	
MATERIAL SEE SPECIFICATIONS	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY	DRFT RDS	DATE 10/11/07	DESCRIPTION NI30-K40SR-FZ3X2-B3131
FINISH SEE SPECIFICATIONS		APVD AF	SCALE 1=1.3	
		UNIT OF MEASUREMENT INCH [MILLIMETER]		IDENTIFICATION NO. 1342591
		CONTACT TURCK FOR MORE INFORMATION		REV B
		DO NOT SCALE THIS DRAWING		FILE: 1342591
				SHEET 1 OF 1

B	UPDATE ID NUMBER PER HARMONIZATION PROJECT	CBM	11/06/17	
REV	DESCRIPTION	BY	DATE	ECO NO.