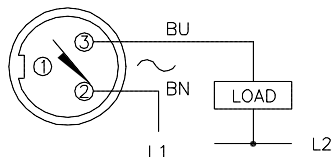
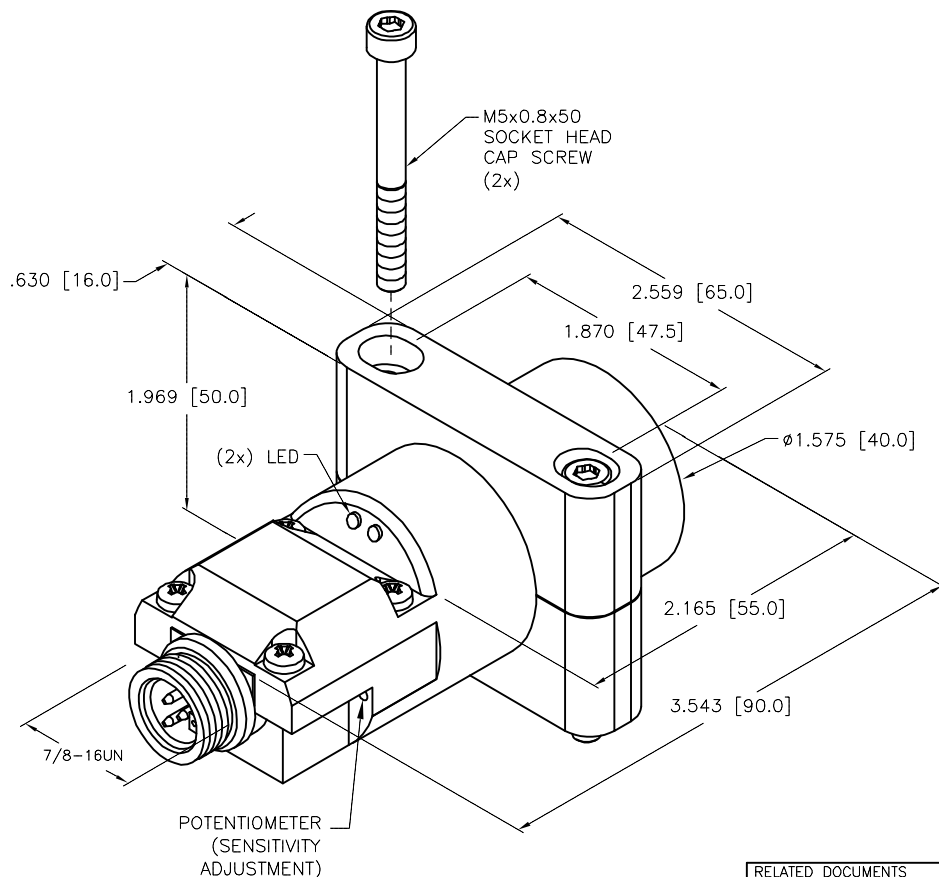


# WIRING DIAGRAM



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



NOTES:

1. BS-40 MOUNTING CLAMP INCLUDED WITH SENSOR.

# SPECIFICATIONS

RATED OPERATING DISTANCE	30.0 mm = 1.181" (NOMINAL)
MOUNTING MODE	NON-FLUSH
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 VAC/10-300 VDC
RATED OPERATIONAL CURRENT (AC/DC)	≤ 400 mA/≤ 300 mA
LINE FREQUENCY	50-60 Hz
RESIDUAL 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 MATERIAL	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**

RELATED DOCUMENTS		3RD ANGLE PROJECTION		<div>THIS DRAWING IS CONFIDENTIAL AND THE PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED.</div> <div>TURCK</div>		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  SEE SPECIFICATIONS		ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY		DRFT RDS		DATE 10/11/07		DESCRIPTION  NI30-K40SR-FZ3X2-B1131		
				APVD AF		SCALE 1=1.3				
FINISH  SEE SPECIFICATIONS		CONTACT TURCK FOR MORE INFORMATION		UNIT OF MEASUREMENT  INCH [ MILLIMETER ]				IDENTIFICATION NO.  1342592		REV  B
				DO NOT SCALE THIS DRAWING				FILE: 1342592		SHEET 1 OF 1

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