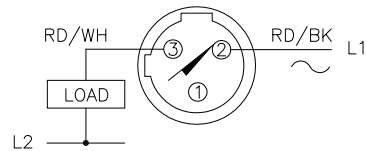
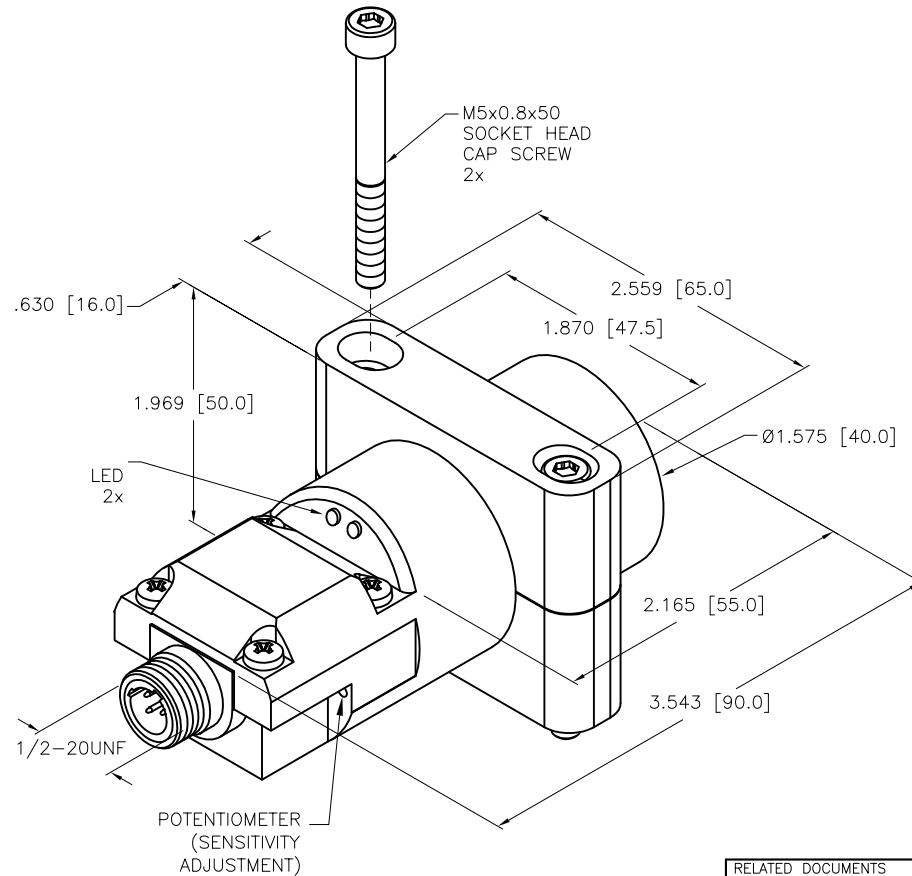


# WIRING DIAGRAM



**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 (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

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		DRFT RDS APVD AF	DATE 10/11/07 SCALE 1=1.3	DESCRIPTION NI30-K40SR-FZ3X2-B3131	
MATERIAL SEE SPECIFICATIONS	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY  CONTACT TURCK FOR MORE INFORMATION	UNIT OF MEASUREMENT <b>INCH [ MILLIMETER ]</b>		IDENTIFICATION NO. 1342591	REV B
FINISH SEE SPECIFICATIONS		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.