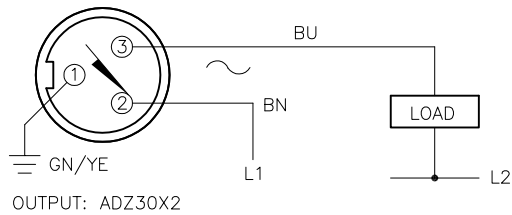
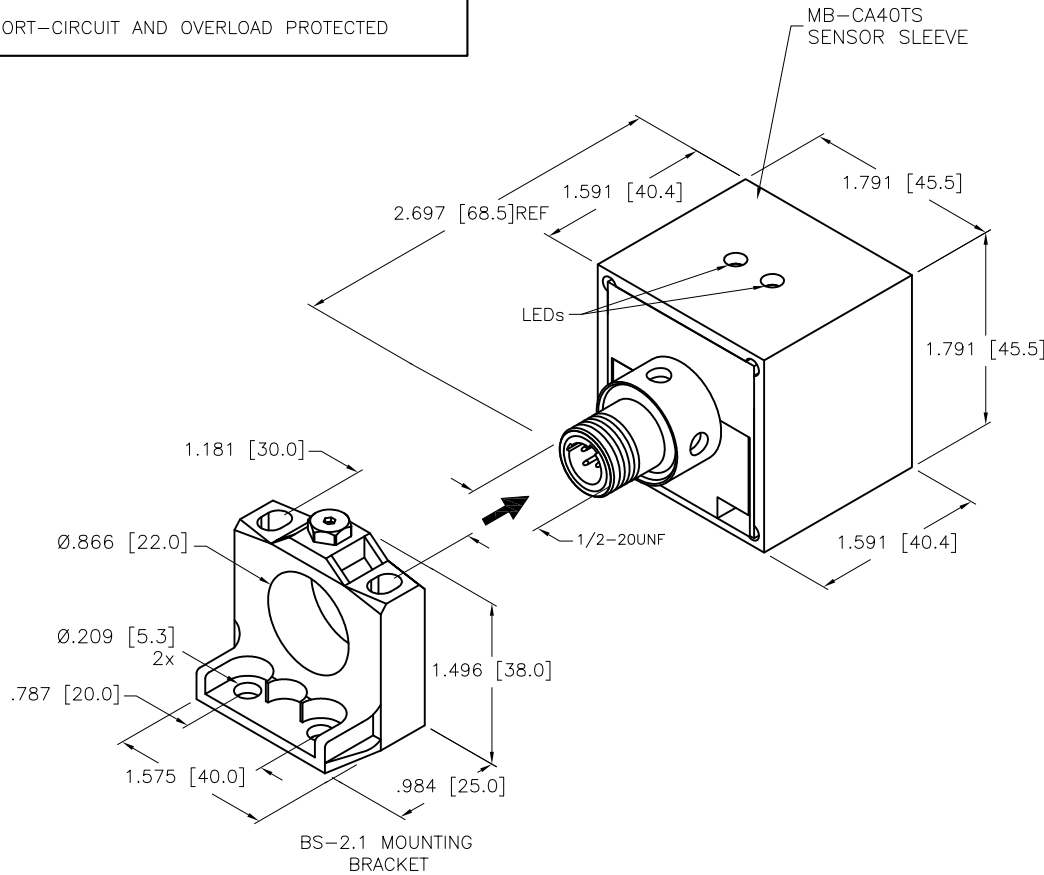


WIRING DIAGRAM



SHORT-CIRCUIT AND OVERLOAD PROTECTED



SPECIFICATIONS

RATED OPERATING DISTANCE	20mm = .787"
MOUNTING MODE	FLUSH
MIN. REPEAT ACCURACY	≤ 2%
TEMPERATURE DRIFT	≤ ±10%
HYSTERESIS	3-15%
OPERATING TEMPERATURE	0°C to +70°C (+32°F to +158°F)
RATED OPERATIONAL VOLTAGE	20-250 VAC/10-300 VDC
RATED OPERATIONAL CURRENT (AC/DC)	≤ 400 mA/≤ 300 mA
MAINS FREQUENCY	50-60 Hz
RESIDUAL CURRENT	≤ 1.7 mA
RATED INSULATION VOLTAGE	≤ 1.5 kV
SURGE CURRENT	≤ 3.0 A (≤ 20 ms MAX. 5 Hz)
SHORT-CIRCUIT PROTECTED	YES
MAX. VOLTAGE DROP	≤ 6.0 V
REVERSE POLARITY PROTECTION	INCORPORATED
WIRE-BREAK PROTECTION	INCORPORATED
OUTPUT FUNCTION	2-WIRE, NORMALLY OPEN
SMALLEST OPERATING CURRENT	≤ 3.0 mA
MAX. SWITCHING FREQUENCY	≤ 0.02 kHz
HOUSING MATERIAL	METAL, GD-AISI 12
CONNECTOR	1/2"-20UNF
SHOCK	30 g, 11 ms
VIBRATION	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
DEGREE OF PROTECTION	IP68
OPERATING VOLTAGE DISPLAY	LED: GREEN
SWITCHING STATUS INDICATION	LED: YELLOW

SOURCE DRAWING - FOR REFERENCE ONLY

NOTES:

1. "/S34" DESIGNATES WELD FIELD IMMUNITY. SENSOR IS SUITABLE FOR USE ON RESISTANCE WELDING MACHINES.
2. "/S1591" DESIGNATES CA40 SENSORS WITH WELDGUARD LAMINATE ENCASED IN ARMORGUARD SLEEVE.

RELATED DOCUMENTS		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	
1. 2. 3. 4.				DRFT RDS		DATE 06/04/13	
MATERIAL SEE SPECS		ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY		APVD A.F.		SCALE 1=1.5	
FINISH		CONTACT TURCK FOR MORE INFORMATION		UNIT OF MEASUREMENT INCH [MILLIMETER]		DESCRIPTION BI20-CA40-ADZ30X2-B3131/S34/S1591 W/BS21	
C UPDATE ID NUMBER PER HARMONIZATION PROJECT		CBM 11/06/17		DO NOT SCALE THIS DRAWING		IDENTIFICATION NO. 4283596	
REV DESCRIPTION		BY DATE ECO NO.		FILE: 4283596		REV C	