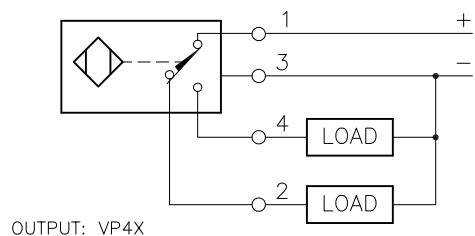
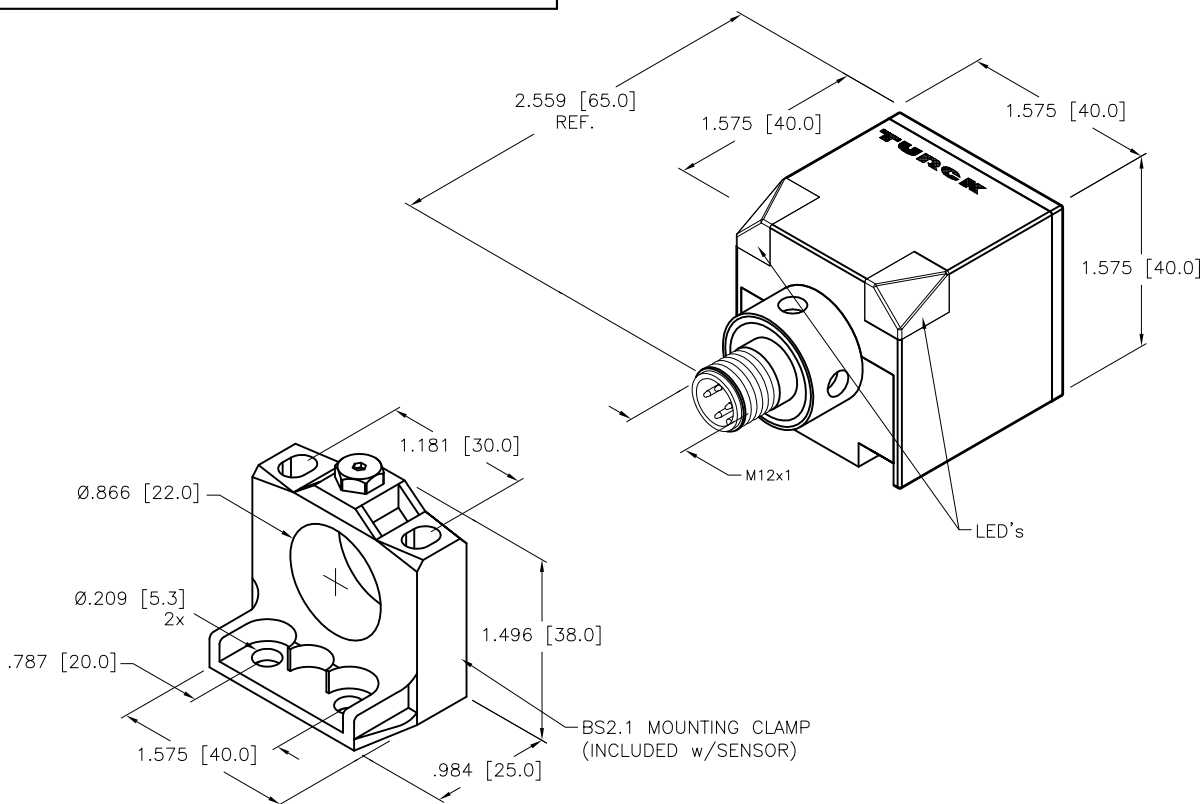


WIRING DIAGRAM



SHORT-CIRCUIT AND OVERLOAD PROTECTED



NOTES:

1. SENSING HEAD TURNS TO ACCOMODATE 5 DIFFERENT SENSING POSITIONS.

SPECIFICATIONS

OPERATING VOLTAGE	10–65 VDC
RIPPLE	≤ 10% MAX.
HYSTERESIS	3–15% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤ 1.8 V at 200 mA
OUTPUT FUNCTION	COMPLEMENTARY OUTPUT ONE N.O., ONE N.C. (SPDT)
TTL COMPATIBLE	NO
SHORT-CIRCUIT PROTECTED	YES
TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥ 220 mA
CONTINUOUS LOAD CURRENT	≤ 200 mA
RESIDUAL CURRENT	< 10µ A
NO-LOAD CURRENT	4.0–9.5 mA
TIME DELAY BEFORE AVAILABILITY	≤ 25 ms
POWER-ON EFFECT PROTECTION	INCORPORATED
POLARITY INVERSION PROTECTION	INCORPORATED
WIRE-BREAK PROTECTION	INCORPORATED
PROTECTION AGAINST TRANSIENTS	2 kV, 1ms, 1 kΩ
OPERATING TEMPERATURE	–25°C to +70°C (–13°F to +158°F)
ENCLOSURE	MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67
SHOCK	30 g, 11 ms
VIBRATION	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
LED FUNCTION	YELLOW: OUTPUT ENERGIZED GREEN: POWER ON
SENSING RANGE	15 mm = .591" (NOMINAL)
SWITCHING FREQUENCY	150 Hz
REPEATABILITY	≤ 2% of NOMINAL SENSING RANGE
SHIELDED	YES

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	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY	DRFT	RJP	DATE	11/18/92	DESCRIPTION		
PBT-GF30-VO PLASTIC		APVD		SCALE			1=1.3	
FINISH		CONTACT TURCK FOR MORE INFORMATION	UNIT OF MEASUREMENT			IDENTIFICATION NO.		REV
			INCH [MILLIMETER]			1550091		C
		DO NOT SCALE THIS DRAWING			FILE: 1550091		SHEET 1 OF 1	

C	UPDATE ID NUMBER PER HARMONIZATION PROJECT	CBM	01/02/18	
REV	DESCRIPTION	BY	DATE	ECO NO.