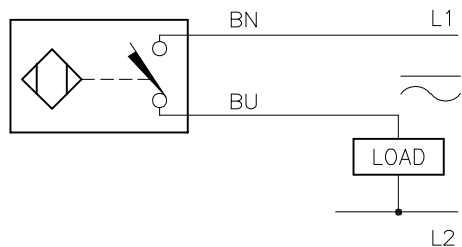
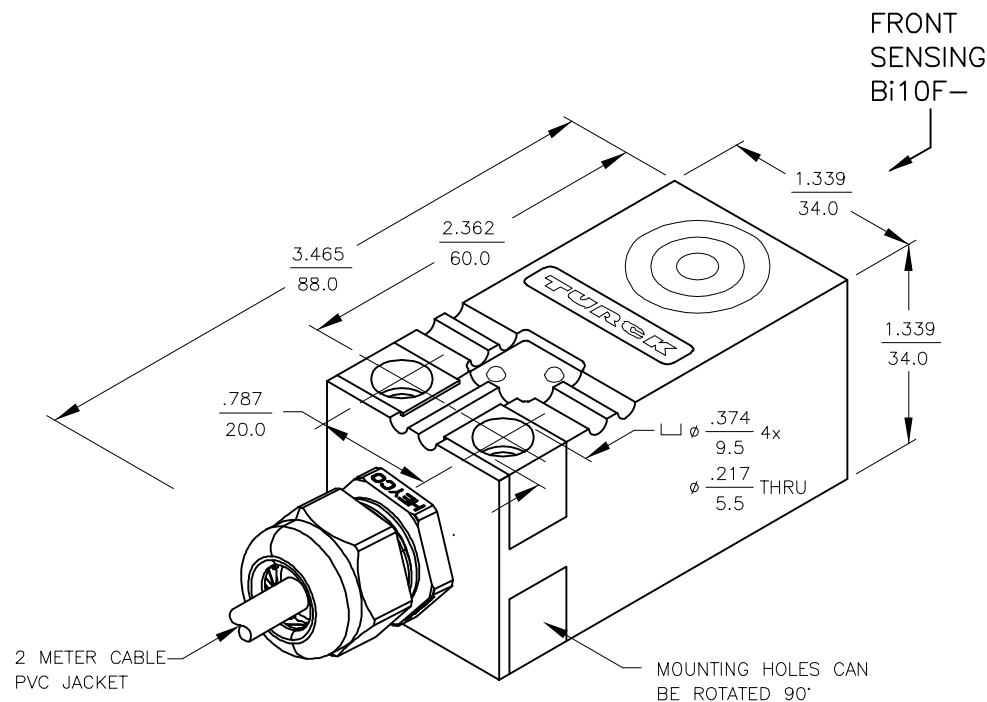


## WIRING DIAGRAM



SHORT-CIRCUIT AND OVERLOAD PROTECTED



## SPECIFICATIONS

OPERATING VOLTAGE	20–250 VAC/DC
LINE FREQUENCY	40–60 Hz
DIFFERENTIAL TRAVEL (HYSTERESIS)	3–15% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	YES
OUTPUT FUNCTION	NORMALLY OPEN 2-WIRE AC/DC SELF-CONTAINED
SHORT-CIRCUIT PROTECTED	YES
TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥ 500 mA
CONTINUOUS LOAD CURRENT	≤ 400 mA
OFF-STATE (LEAKAGE) CURRENT	≤ 1.7 mA
MINIMUM LOAD CURRENT	≥ 3.0 mA
INRUSH CURRENT	≤ 3 A (≤ 20 ms/5 Hz)
TIME DELAY BEFORE AVAILABILITY	≤ 80 ms
POWER-ON EFFECT PROTECTION	INCORPORATED
PROTECTION AGAINST TRANSIENTS	5 kV, 10 ms, 10 kΩ
OPERATING TEMPERATURE	–25°C to +70°C (–13°F to +158°F)
ENCLOSURE	IP67
SHOCK	30 g, 11 ms
VIBRATION	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
LED FUNCTION	GREEN = POWER ON GREEN FLASHING = SHORT-CIRCUIT WARNING RED = OUTPUT ENERGIZED
SENSING RANGE	10 mm = .394" (NOMINAL)
SWITCHING FREQUENCY	30 Hz
REPEATABILITY	≤ 2% of RATED OPERATING DISTANCE
EMBEDDABLE (SHIELDED)	YES

### NOTES:

1. "/S34" DESIGNATES WELD FIELD IMMUNITY. SENSOR IS SUITABLE FOR USE ON RESISTANCE WELDING MACHINES.

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1. 2. 3. 4.									
MATERIAL  PBT-GF30 PLASTIC		DRFT		SMW	DATE	3/3/87	DESCRIPTION  BI10F-Q34-ADZ30X2/S34		
		APVD			SCALE	NONE			
FINISH		ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY		UNIT OF MEASUREMENT  INCH [ MILLIMETER ]			IDENTIFICATION NO.		REV
							4202100		E
1		CONTACT TURCK FOR MORE INFORMATION		DO NOT SCALE THIS DRAWING			FILE: 4202100		SHEET 1 OF 1

E	UPDATE CABLE GLAND	NF	02/25/25	500000010931
REV	DESCRIPTION	BY	DATE	ECO NO.