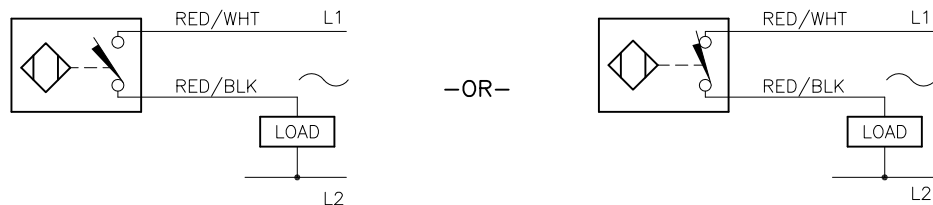
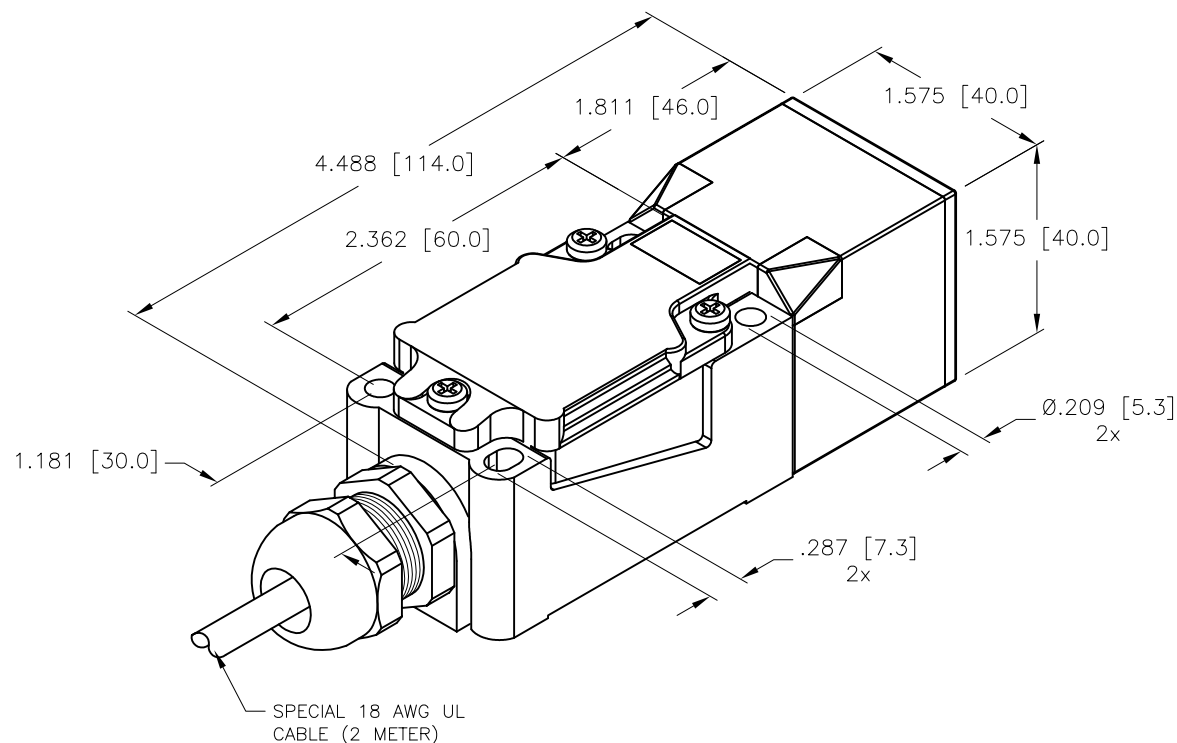


WIRING DIAGRAMS



SHORT-CIRCUIT AND OVERLOAD PROTECTED

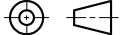


NOTE:

1. "/S512" DESIGNATES SPECIAL 18 AWG UL CERTIFIED CABLE REQUIRED, 2 METER CABLE TO BE POTTED-IN.

SPECIFICATIONS

OPERATING VOLTAGE	20-250 VAC/10-300 VDC
LINE FREQUENCY	>50- <60 Hz
HYSTERESIS (DIFFERENTIAL TRAVEL)	3-15% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤ 6.0 V at 400 mA
OUTPUT FUNCTION	CONNECTION PROGRAMMABLE NORMALLY OPEN OR NORMALLY CLOSED
SHORT-CIRCUIT PROTECTED	YES
TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥ 500 mA
CONTINUOUS LOAD CURRENT	≤ 400 mA
LEAKAGE (OFF-STATE) CURRENT	≤ 1.7 mA
MINIMUM LOAD CURRENT	≥ 3.0 mA
INRUSH CURRENT	≤ 3.0 A (≤ 20 ms/5 Hz)
TIME DELAY BEFORE AVAILABILITY	≤ 30 ms
POWER-ON EFFECT PROTECTION	INCORPORATED
PROTECTION AGAINST TRANSIENTS	5 kV, 10ms, 10 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	GREEN: STEADY = POWER ON FLASHING = SHORT-CIRCUIT WARNING RED: OUTPUT ENERGIZED
SENSING RANGE	15 mm = .591" (NOMINAL)
SWITCHING FREQUENCY	0.02 kHz
REPEATABILITY	≤ 2% of NOMINAL SENSING RANGE
SHIELDED	YES

RELATED DOCUMENTS 1. 2. 3. 4.	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	
MATERIAL PBT-GF30-VO PLASTIC	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY	DRFT	RJP	DATE	8/27/92	DESCRIPTION BI15-CP40-FDZ30X2/S512/FNO		
FINISH		APVD		SCALE	NONE			
		CONTACT TURCK FOR MORE INFORMATION	UNIT OF MEASUREMENT			IDENTIFICATION NO.		REV
INCH [MILLIMETER]			4224199		E			
		DO NOT SCALE THIS DRAWING			FILE: 4224199		SHEET 1 OF 1	

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