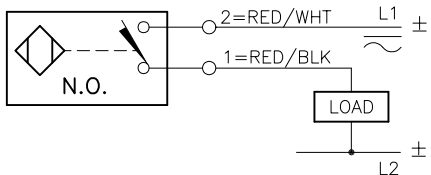
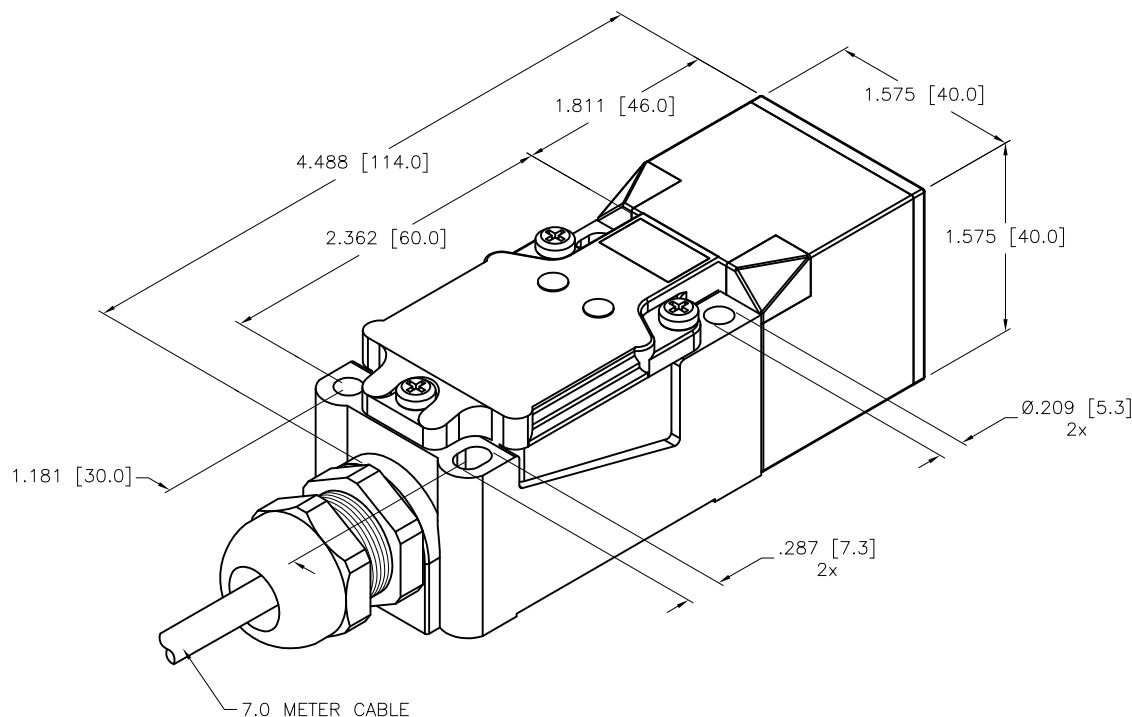


WIRING DIAGRAM



SHORT-CIRCUIT AND OVERLOAD PROTECTED



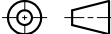
SPECIFICATIONS

OPERATING VOLTAGE	20-250 VAC 10-300 VDC
LINE FREQUENCY	40-60 Hz
HYSTERESIS	3-15% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤ 6.0 V
OUTPUT FUNCTION	CONNECTION PROGRAMMABLE NORMALLY OPEN OR NORMALLY OPEN
SHORT-CIRCUIT PROTECTED	YES
TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥ 440 mA
CONTINUOUS LOAD CURRENT	400 mA AC MAX. 300 mA DC MAX.
RESIDUAL CURRENT	≤ 1.7 mA
MINIMUM LOAD CURRENT	≥ 3.0 mA
INRUSH CURRENT	≤ 4 A (20 ms/5 Hz)
TIME DELAY BEFORE AVAILABILITY	≤ 80 ms
POWER-ON EFFECT PROTECTION	YES
PROTECTION AGAINST TRANSIENTS	5 kV, 10 ms, 10 kΩ
OPERATING TEMPERATURE	-25°C TO +70°C (-13°F TO +158°F) (±10% DRIFT) -30°C TO +85°C (-22°F TO +185°F) (±15% DRIFT)
ENCLOSURE	MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67
SHOCK	30 g, 11 ms
VIBRATION	55 Hz, 1 mm AMPLITUDE (IN ALL THREE PLANES)
LED FUNCTION	GREEN: STEADY = POWER ON FLASHING = SHORT-CIRCUIT WARNING YELLOW: OUTPUT ENERGIZED
RATED OPERATING DISTANCE(Sn)	40 mm = 1.575" (NOMINAL)
SWITCHING FREQUENCY	60 Hz
REPEATABILITY	≤ 2% of RATED OPERATING DISTANCE
EMBEDDABLE (SHIELDED)	NO

SOURCE DRAWING - FOR REFERENCE ONLY

NOTE:

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

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 TURCK		
						
MATERIAL PBT-GF30-VO PLASTIC	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY CONTACT TURCK FOR MORE INFORMATION	DRFT	RDS	DATE	08/10/11	DESCRIPTION NI40U-CP40-FDZ30X2/S512/PFNO 7M
FINISH		APVD		SCALE	NONE	
			UNIT OF MEASUREMENT INCH [MILLIMETER] DO NOT SCALE THIS DRAWING			IDENTIFICATION NO. 4280895
		FILE: 4280895			SHEET 1 OF 1	

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