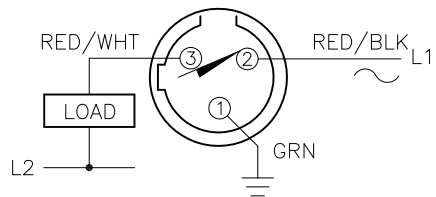
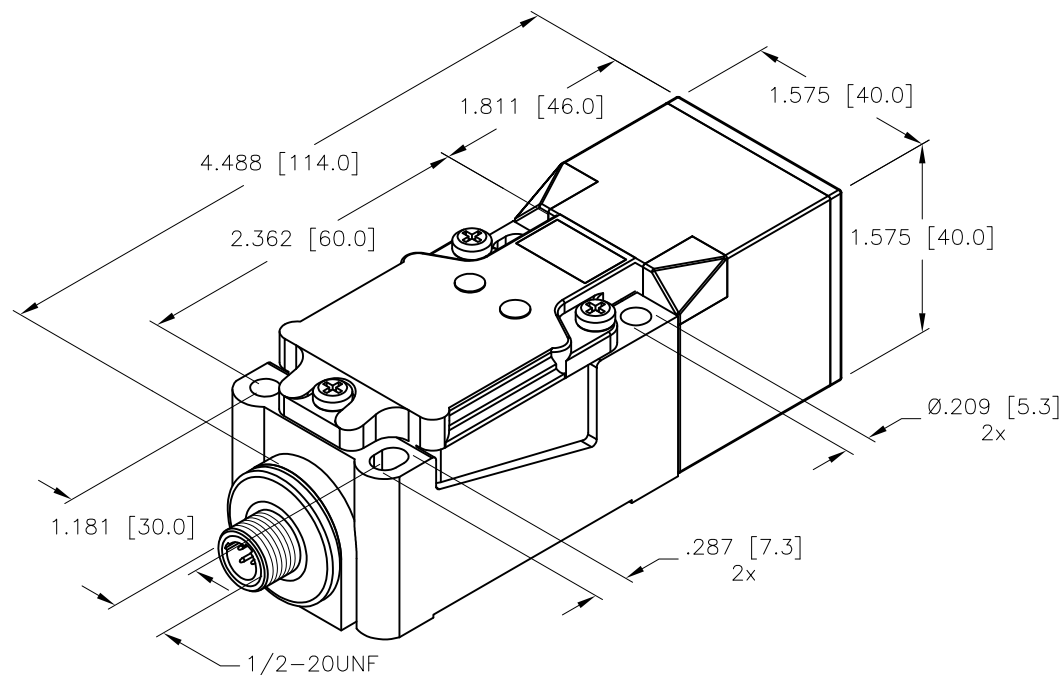


WIRING DIAGRAM



OUTPUT: FDZ30X2 (N/C)

SHORT-CIRCUIT AND OVERLOAD PROTECTED



SPECIFICATIONS

RATED OPERATING DISTANCE	40 mm = 1.574" (NOMINAL)
MOUNTING MODE	NON-FLUSH
TEMPERATURE DRIFT	$\leq \pm 10\%$ $\leq \pm 20\%$, $\leq -25^{\circ}\text{C}$ v $\geq +70^{\circ}\text{C}$
HYSTERESIS	3-15%
MIN. REPEAT ACCURACY	$\leq 2\%$
OPERATING TEMPERATURE	-30°C to $+85^{\circ}\text{C}$ (-22°F to $+185^{\circ}\text{F}$)
RATED OPERATIONAL VOLTAGE	20-250 VAC/10-300 VDC
RATED OPERATIONAL CURRENT (AC/DC)	≤ 400 mA/ ≤ 300 mA
FREQUENCY	$\geq 50\ldots \leq 60$ 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, LATCHING
MAX. VOLTAGE DROP	≤ 6.0 V
REVERSE POLARITY PROTECTION	INCORPORATED
WIRE-BREAK PROTECTION	INCORPORATED
OUTPUT FUNCTION	2-WIRE, NORMALLY CLOSED
SMALLEST OPERATING CURRENT	≤ 3.0 A
SWITCHING FREQUENCY	≤ 0.01 kHz
HOUSING MATERIAL	PLASTIC, PBT-GF30-V0, BLACK
ACTIVE FACE	PLASTIC, PA6-GF30-X, YELLOW
CONNECTION	1/2-20UNF
VIBRATION RESISTANCE	<55 Hz, <1 mm AMPLITUDE (IN ALL 3 PLANES)
SHOCK RESISTANCE	<30 g, <11 ms
DEGREE OF PROTECTION	IP68
OPERATING VOLTAGE DISPLAY	LED: GREEN
SWITCHING STATUS INDICATION	LED: YELLOW

SOURCE DRAWING - FOR REFERENCE ONLY

NOTES:

1. "TNC" DESIGNATES TOP FACE SENSING, NORMALLY-CLOSED OUTPUT, NO POTTING.

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	
		DRFT	KMY	DATE	09/16/13
	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY	APVD	A.F.	SCALE	1=1.3
		UNIT OF MEASUREMENT INCH [MILLIMETER]		DESCRIPTION NI40U-CP40-FDZ30X2-B3131/TNC	
FINISH	CONTACT TURCK FOR MORE INFORMATION	IDENTIFICATION NO. 4280897			REV C
C		DO NOT SCALE THIS DRAWING			FILE: 4280897
REV	DESCRIPTION	BY	DATE	ECO. NO.	SHEET 1 OF 1

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