

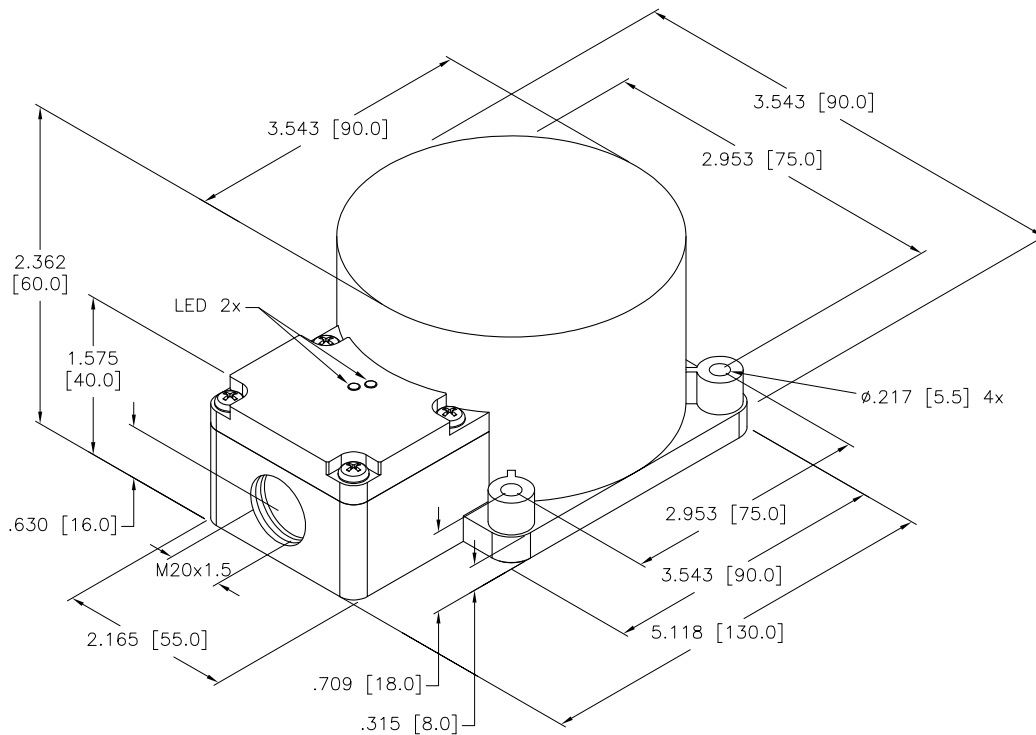
WIRING DIAGRAMS

OUTPUT: FDZ30X2

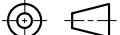
-OR-

OUTPUT: FDZ30X2

SHORT-CIRCUIT AND OVERLOAD PROTECTED



OPERATING VOLTAGE	20–250 V AC 20–320 V DC (SHORT–CIRCUIT PROTECTED)
LINE FREQUENCY	40–60 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	≤ 20 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	60 mm = 2.362" (NOMINAL)
SWITCHING FREQUENCY	100 Hz
REPEATABILITY	≤ 2% of NOMINAL SENSING RANGE
SHIELDED	NO

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 INC <i>High Technology Sensors and Automation Controls</i> 3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-0708 fax turck.com	
1. 2. 3. 4.							
MATERIAL PBT-GF30-V0 PLASTIC		ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY CONTACT TURCK FOR MORE INFORMATION		DRFT SMW	DATE 10/23/86	DESCRIPTION Ni60-K90SR-FDZ30X2	
FINISH				APVD	SCALE 1=2.0		
				UNIT OF MEASUREMENT INCH [MILLIMETER]		IDENTIFICATION NO. M4240200	
				DO NOT SCALE THIS DRAWING		REV C	
						SHEET 1 OF 1	