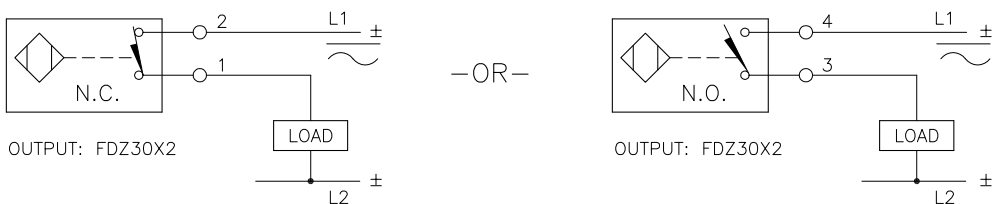
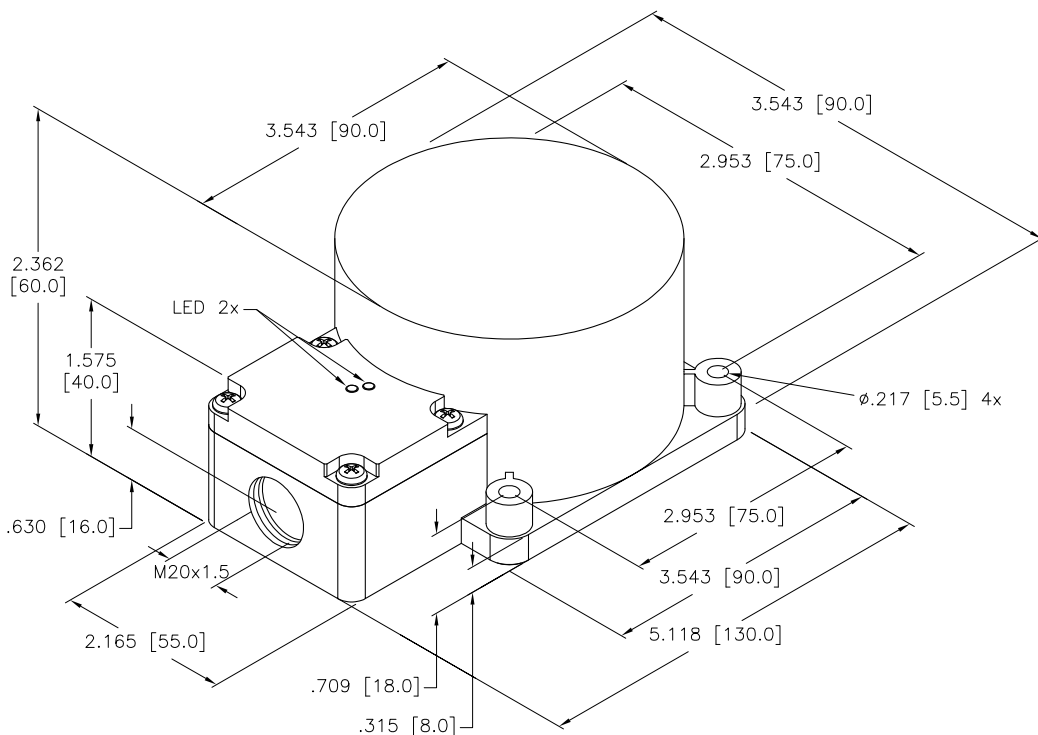


### WIRING DIAGRAMS



SHORT-CIRCUIT AND OVERLOAD PROTECTED



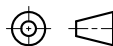
### SPECIFICATIONS

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

- 1.
- 2.
- 3.
- 4.

#### 3RD ANGLE PROJECTION



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MATERIAL  
PBT-GF30-VO  
PLASTIC

FINISH

ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY

CONTACT TURCK FOR MORE INFORMATION

DRFT SMW DATE 10/23/86  
APVD SCALE 1=2.0

UNIT OF MEASUREMENT  
**INCH [ MILLIMETER ]**

DO NOT SCALE THIS DRAWING

DESCRIPTION  
Ni60-K90SR-FDZ30X2

IDENTIFICATION NO.  
M4240200

REV  
C

C	UPDATE OPENING FROM PG 13.5 TO M20X1.5	RDS	01/04/12	37720
REV	DESCRIPTION	BY	DATE	ECO NO.

FILE: M4240200

SHEET 1 OF 1