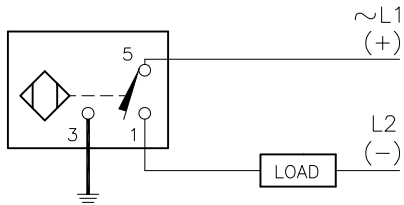
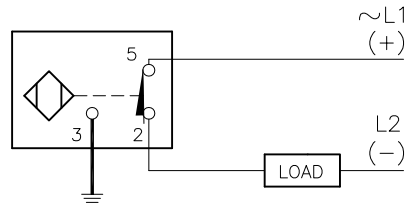


# WIRING DIAGRAM

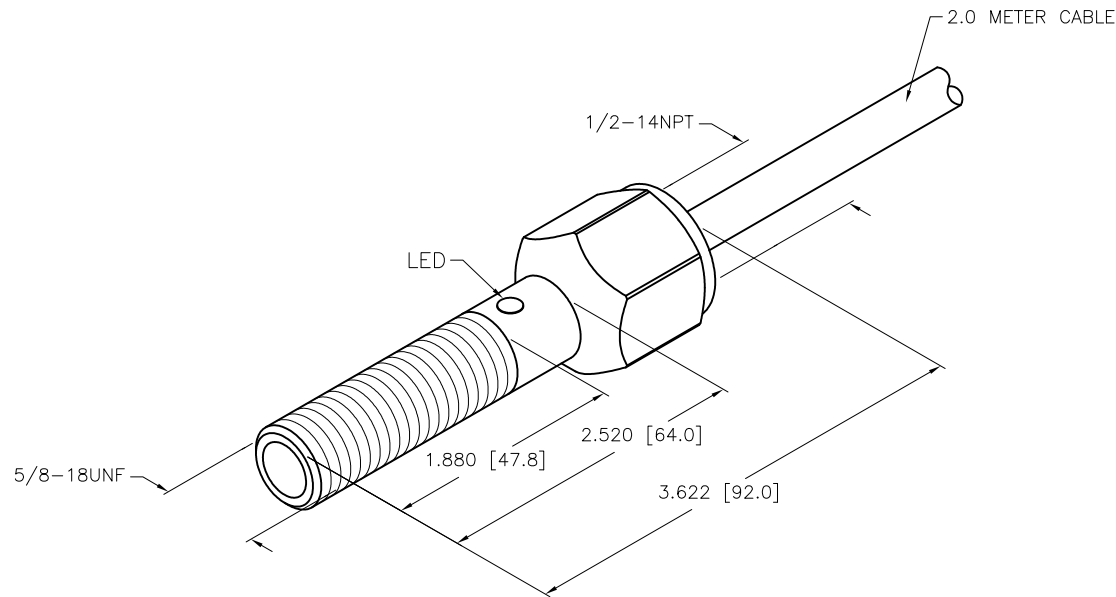
## NORMALLY OPEN



## NORMALLY CLOSED



SHORT-CIRCUIT AND OVERLOAD PROTECTED



# SPECIFICATIONS

RATED OPERATING DISTANCE	2.5 mm [.098"]
HYSTERESIS	3–15% (5% TYPICAL)
MIN. REPEAT ACCURACY	≤ 2%
MAX. TEMPERATURE DRIFT	≤ ±10% C°
OPERATING TEMPERATURE	–40°C to +70°C (–40°F to +158°F)
OPERATING VOLTAGE	20–250 VAC
RATED OPERATIONAL VOLTAGE	10–300 VDC
RATED OPERATIONAL CURRENT (AC)	≤ 100 mA
RATED OPERATIONAL CURRENT (DC)	≤ 100 mA
LINE FREQUENCY	50–60 Hz
RESIDUAL CURRENT	≤ 1.7 mA
MAX. SWITCHING FREQUENCY	≤ 0.06 kHz
RATED INSULATION VOLTAGE	≤ 1.5 kV
OUTPUT FUNCTION	2-WIRE, CONNECTION PROGRAMMABLE
SHORT-CIRCUIT PROTECTED	YES
MAX. VOLTAGE DROP	≤ 6 V
WIRE-BREAK PROTECTION	INCORPORATED
REVERSE POLARITY PROTECTION	INCORPORATED
MIN. OPERATIONAL CURRENT	3 mA
DEGREE OF PROTECTION	IP 67
HOUSING MATERIAL	METAL, A4 1.4401 (AISI 316)
ACTIVE FACE	PLASTIC, PA12–GF30
CABLE	ø7.2, 18 AWG, PVC
VIBRATION RESISTANCE	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
SHOCK RESISTANCE	30 g, 11 ms
SUPPLY VOLTAGE INDICATION	LED, GREEN
SWITCHING STATUS INDICATION	LED, RED
MOUNTING MODE	FLUSH

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	RDS	DATE	10/27/04
		APVD		SCALE	NONE
		UNIT OF MEASUREMENT		DESCRIPTION	
MATERIAL	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY  CONTACT TURCK FOR MORE INFORMATION	INCH [ MILLIMETER ]		BI2.5–EG16CA–FDZ32X2	
FINISH		DO NOT SCALE THIS DRAWING		IDENTIFICATION NO.	42051001
				REV	C
C	UPDATE ID NUMBER PER HARMONIZATION PROJECT	CBM	12/20/17	FILE: 42051001	
REV	DESCRIPTION	BY	DATE	ECO NO.	SHEET 1 OF 1