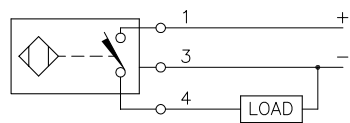
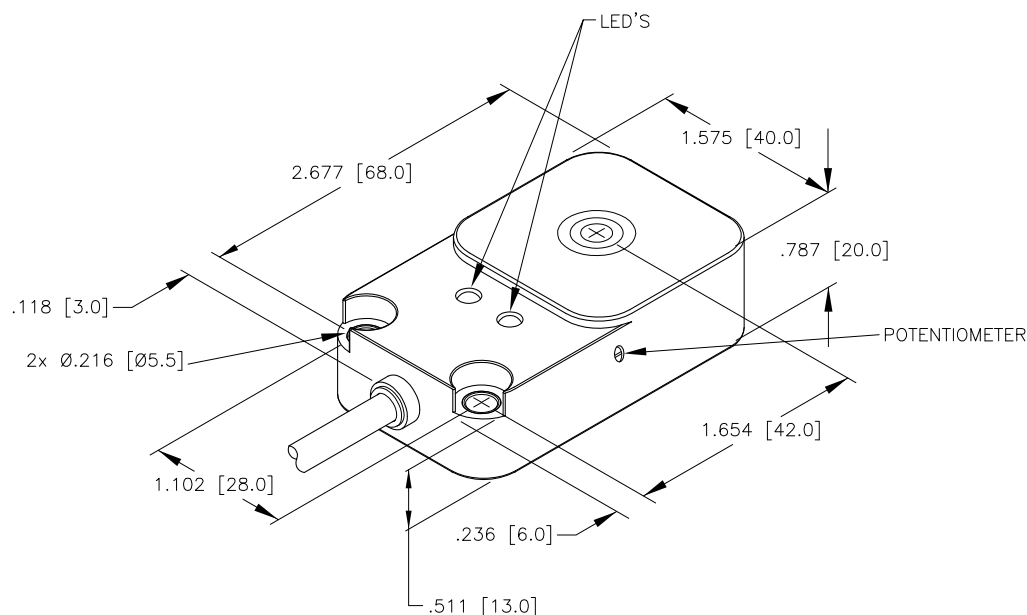


# WIRING DIAGRAM



OUTPUT: AP4X2

SHORT-CIRCUIT AND OVERLOAD PROTECTED



# SPECIFICATIONS

OPERATING VOLTAGE	10–65 VDC
RIPPLE	≤10%
DIFFERENTIAL TRAVEL (HYSTERESIS)	2–20% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤1.8 V at 200 mA
OUTPUT FUNCTION	NORMALLY OPEN 3-WIRE DC
TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥220 mA
CONTINUOUS LOAD CURRENT	≤200 mA
OFF-STATE (LEAKAGE) CURRENT	<100 mA
NO-LOAD CURRENT	≤15 mA
TIME DELAY BEFORE AVAILABILITY	≤15 ms
POWER-ON EFFECT	Per IEC 947-5-2
REVERSE POLARITY PROTECTION	INCORPORATED
WIRE-BREAK PROTECTION	INCORPORATED
TRANSIENT PROTECTION	Per EN 60947-5-2
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)
RATED OPERATING DISTANCE(S <sub>n</sub> )	20 mm = .787" (NOMINAL)
SWITCHING FREQUENCY	100 Hz
REPEATABILITY	≤2% of RATED OPERATING DISTANCE
EMBEDDABLE (SHIELDED)	YES
LED ON (GREEN)	POWER ON
LED ON (YELLOW)	OUTPUT ENERGIZED
CABLE OUTER JACKET	PVC

RELATED DOCUMENTS				3RD ANGLE PROJECTION		THIS DRAWING IS 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 turck.com	
1. 2. 3. 4.				3RD ANGLE PROJECTION		DRFT RDS		DATE 01/16/03	
MATERIAL PBT-GF30-VO PLASTIC HOUSING				ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY		DSGN		SCALE NONE	
FINISH				CONTACT TURCK FOR MORE INFORMATION		UNIT OF MEASUREMENT <b>INCH [ MILLIMETER ]</b>		DESCRIPTION BC20-Q20-AP4X2	
A				DRAWING RELEASE		RDS		01/17/03	
REV				DESCRIPTION		BY		DATE	
								ECO NO.	
								IDENTIFICATION NO. M2530100	
								REV A	
								FILE: M2530100	
								SHEET 1 OF 1	