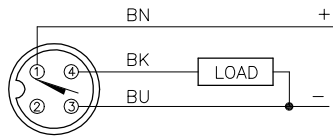
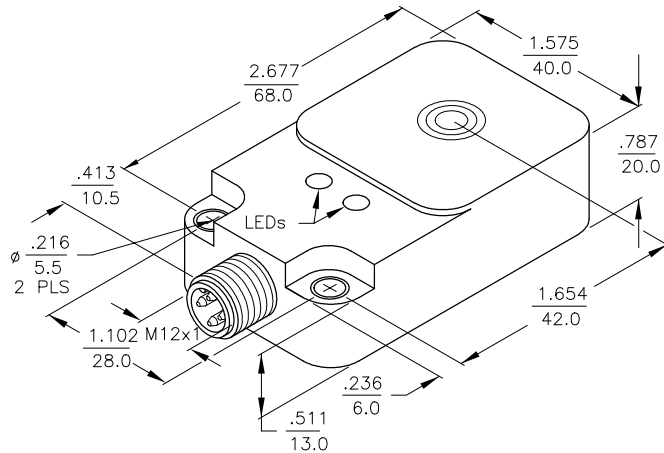


WIRING DIAGRAM



SHORT-CIRCUIT AND OVERLOAD PROTECTED



SPECIFICATIONS

OPERATING VOLTAGE	10-30 VDC
RIPPLE	≤10%
DIFFERENTIAL TRAVEL (HYSTERESIS)	3-15% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤1.8 V at 200 mA
OUTPUT FUNCTION	NORMALLY OPEN 3-WIRE DC SELF-CONTAINED
TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥220 mA
CONTINUOUS LOAD CURRENT	≤200 mA
OFF-STATE (LEAKAGE) CURRENT	<10 μA
NO-LOAD CURRENT	≤15 mA
TIME DELAY BEFORE AVAILABILITY	≤8 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 _n)	25 mm = .984" (NOMINAL)
SWITCHING FREQUENCY	500 Hz
REPEATABILITY	≤2% of RATED OPERATING DISTANCE
EMBEDDABLE (SHIELDED)	NO
LED ON (GREEN)	POWER ON
LED ON (YELLOW)	OUTPUT ENERGIZED

NOTE
PRELIMINARY
SPECIFICATIONS

RELATED DOCUMENTS				3RD ANGLE PROJECTION		THIS DOCUMENT 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.						DRFT IK		DATE 12/10/99		DESCRIPTION	
MATERIAL				TOLERANCES UNLESS OTHERWISE SPECIFIED		DSGN		SCALE 1=2.0		Ni25-Q20-AP6X2-H1141	
PBT-GF30-VO PLASTIC				.X ±0.02 .XX ±0.01 .XXX ±0.005 ANGLES ±1°		UNIT OF MEASUREMENT		IDENTIFICATION NO.		REV	
FINISH				ALL MILLIMETER DIMENSIONS ARE REFERENCE ONLY		INCH [MILLIMETER]		M1602702		P2	
P2 UPDATE SPEC., ADD MATERIAL				IK 12/13/99		DO NOT SCALE THIS DRAWING		FILE: M1602702		SHEET 1 OF 1	
REV	DESCRIPTION	BY	DATE	ECO NO.							