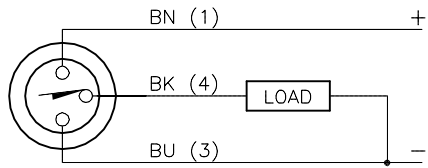
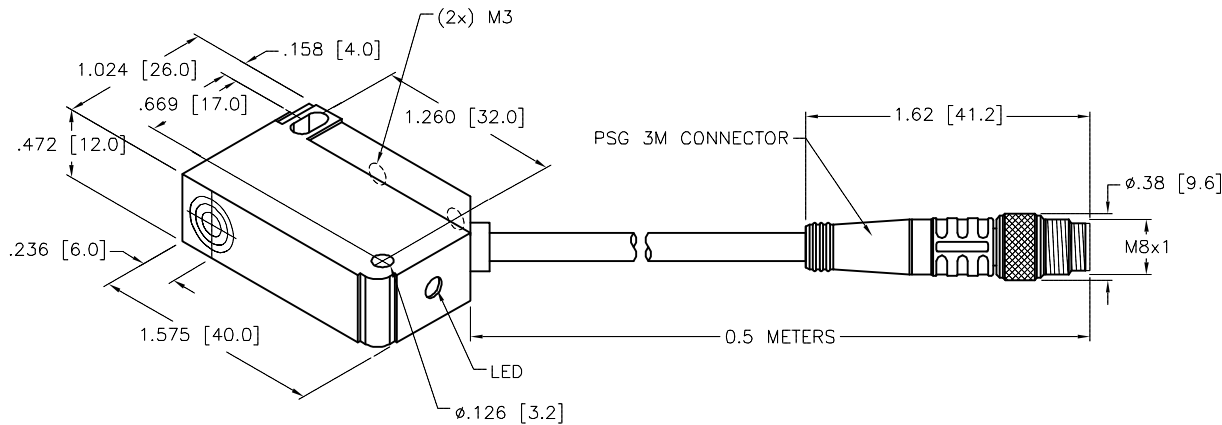


WIRING DIAGRAM



OUTPUT: AP6X2

SHORT-CIRCUIT AND OVERLOAD PROTECTED



SPECIFICATIONS

RATED OPERATING DISTANCE	5mm = .197" (NOMINAL)
MOUNTING MODE	FLUSH
HYSTERESIS	3-15%
MIN. REPEAT ACCURACY	≤ 2%
TEMPERATURE DRIFT	≤ ± 10%
OPERATING TEMPERATURE	-25°C to +70°C (-13°F to +158°F)
RATED OPERATIONAL VOLTAGE	10-30 VDC
RESIDUAL RIPPLE	≤ 10%
RATED OPERATIONAL CURRENT	≤ 200 mA
NO-LOAD CURRENT	≤ 15 mA
RESIDUAL CURRENT	≤ 0.1 mA
RATED INSULATION VOLTAGE	≤ 0.5 kV
SHORT-CIRCUIT PROTECTED	YES, CYCLIC
MAX. VOLTAGE DROP	≤ 1.8 V
WIRE BREAKAGE PROTECTION	INCORPORATED
REVERSE POLARITY PROTECTION	INCORPORATED
OUTPUT FUNCTION	3-WIRE, NORMALLY OPEN, PNP
MAX. SWITCHING FREQUENCY	≤ 1.0 kHz
HOUSING MATERIAL	PLASTIC, PA12-GF20
ACTIVE FACE MATERIAL	PLASTIC, PA12-GF20
CABLE	∅4.0, LiFY-11Y, TPU
VIBRATION	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
SHOCK	30 g, 11 ms
PROTECTION DEGREE	IP68
OPERATING VOLTAGE DISPLAY	LED: GREEN
SWITCHING STATUS INDICATION	LED: YELLOW

SOURCE DRAWING - FOR REFERENCE ONLY

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 turck.com	
	MATERIAL  SEE NOTES	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY	DRFT RDS APVD A.F.	DATE 10/11/11 SCALE 1=1.1	DESCRIPTION BI 5U-Q12-AP6X2-0.5M-PSG 3M
FINISH  SEE NOTES	CONTACT TURCK FOR MORE INFORMATION	UNIT OF MEASUREMENT <b>INCH [ MILLIMETER ]</b>		IDENTIFICATION NO. M1635522-000	
DO NOT SCALE THIS DRAWING		FILE: M1635522-000		REV B	

B	UPDATE PICOFAST COUPLING NUT PER ECO	KMY	05/21/13	40191
REV	DESCRIPTION	BY	DATE	ECO NO.