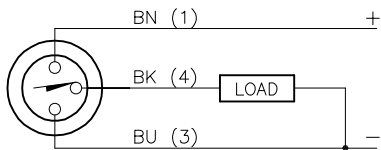


WIRING DIAGRAM

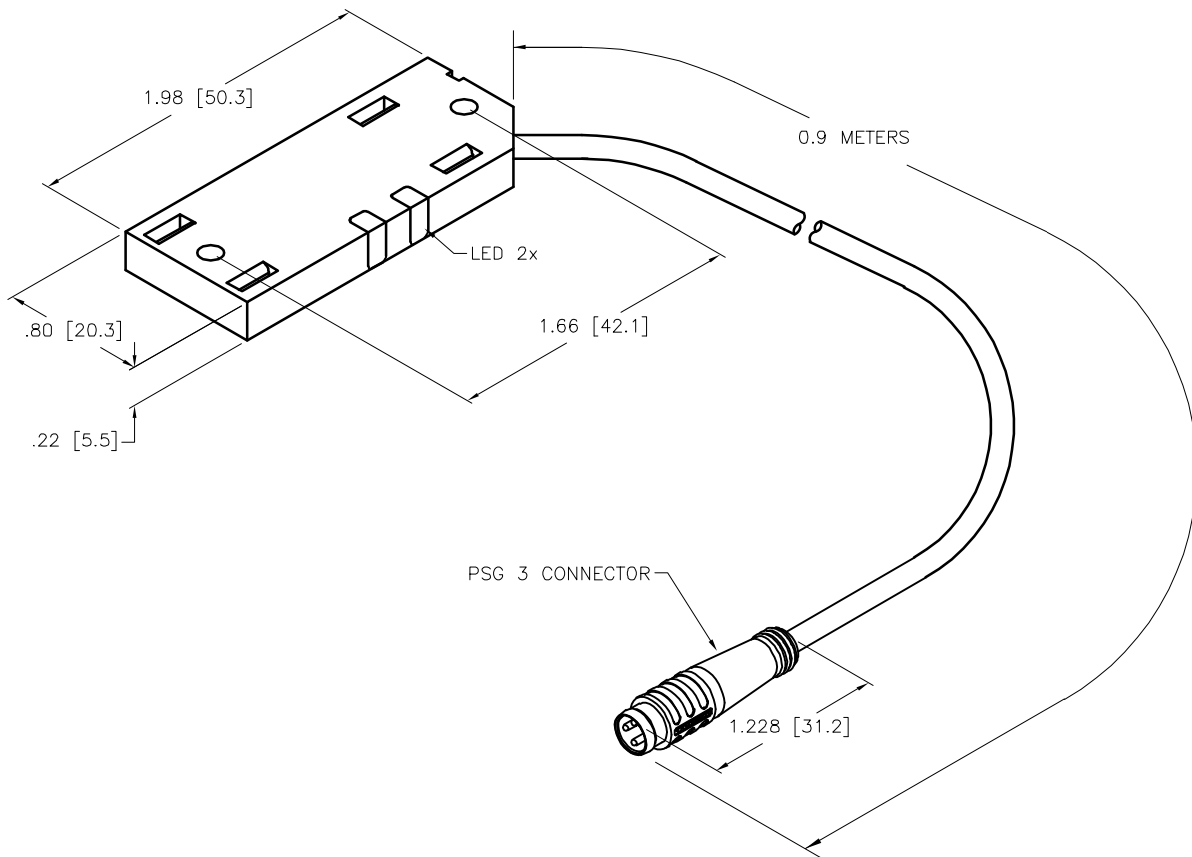


OUTPUT: AP6X2

SHORT-CIRCUIT AND OVERLOAD PROTECTED

SPECIFICATIONS

RATED OPERATING DISTANCE	5 mm = .197" (NOMINAL)
HYSTERESIS	2-20%
TEMPERATURE DRIFT	≤ ± 20%
REPEAT ACCURACY	≤ 2%
OPERATING TEMPERATURE	-25°C to +70°C (-13°F to +158°F)
OPERATING VOLTAGE	10-30 VDC
RIPPLE	≤ 10%
DC RATED OPERATIONAL CURRENT	≤ 200 mA
NO-LOAD CURRENT	≤ 15 mA
RESIDUAL CURRENT	≤ 0.1 mA
SWITCHING FREQUENCY	≤ 0.1 kHz
RATED INSULATION VOLTAGE	≤ 0.1 kHz
OUTPUT FUNCTION	3-WIRE, NORMALLY OPEN, PNP
SHORT-CIRCUIT PROTECTED	YES
VOLTAGE DROP	≤ 1.8 V
REVERSE POLARITY PROTECTION	YES
WIRE BREAK PROTECTION	YES
HOUSING MATERIAL	PLASTIC, PP
MATERIAL ACTIVE AREA	PLASTIC, PP
CABLE	∅3.0, TPU
SHOCK	30 g, 11 ms
VIBRATION	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
PROTECTION	IP67
OPERATING VOLTAGE DISPLAY	LED; GREEN
SWITCHING STATUS INDICATION	LED; YELLOW



SOURCE DRAWING - FOR REFERENCE ONLY

NOTES:

1. "/S250" DESIGNATES CAPACITIVE SENSOR WITH FIXED CALIBRATION.

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		
	MATERIAL POLYPROPYLENE PLASTIC	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY	DRFT NF	DATE 04/08/25	DESCRIPTION BC5-QF5.5-AP6X2-0.9-PSG3/S250	
			APVD	SCALE 1=1.1		
	FINISH	CONTACT TURCK FOR MORE INFORMATION	UNIT OF MEASUREMENT INCH [MILLIMETER]		IDENTIFICATION NO. 200015209	REV A
DO NOT SCALE THIS DRAWING		FILE: 200015209		SHEET 1 OF 1		

A	DRAWING RELEASE	NF	04/16/25	
REV	DESCRIPTION	BY	DATE	ECO NO.