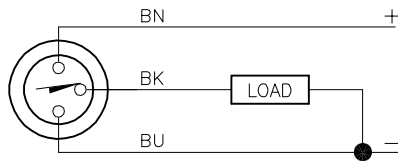
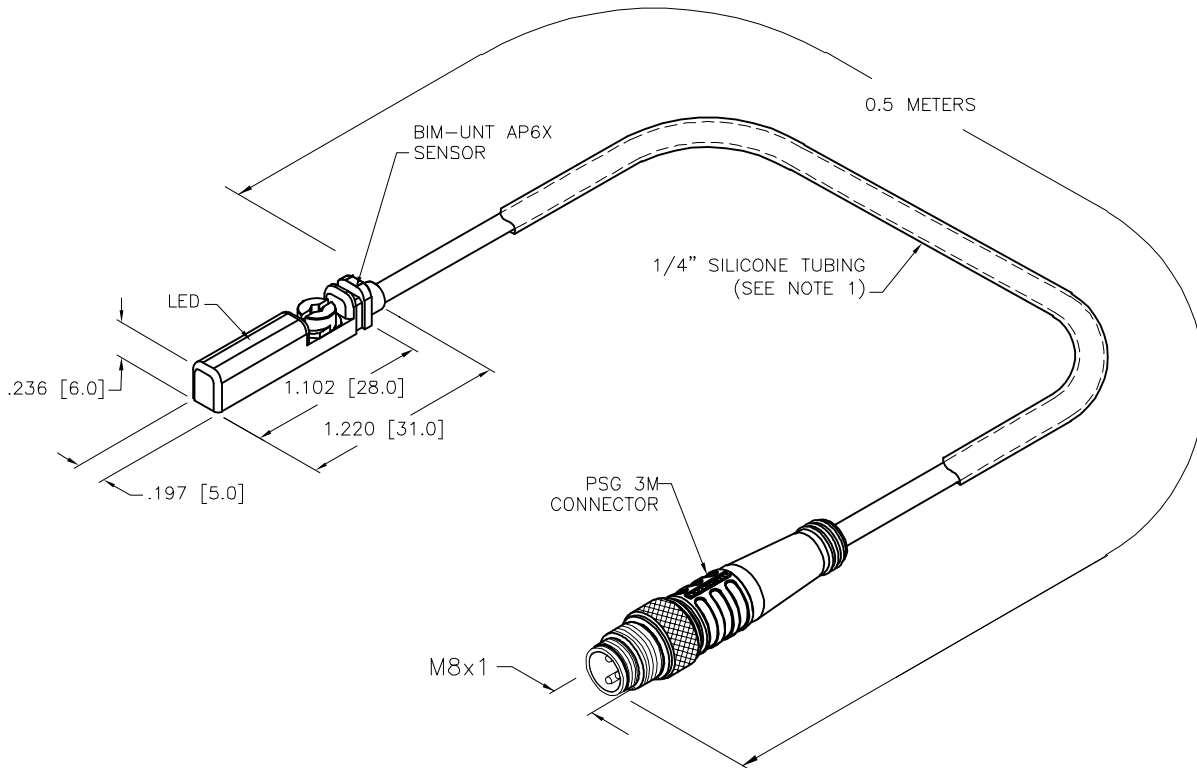


WIRING DIAGRAM



OUTPUT: AP6X

SHORT-CIRCUIT AND OVERLOAD PROTECTED



SPECIFICATIONS

PASS SPEED	≤ 10 m/s
HYSTERESIS	≤ 1mm
TEMPERATURE DRIFT	≤ 0.1mm
MIN. ABSOLUTE REPEAT ACCURACY	≥ ±0.1mm
OPERATING TEMPERATURE	-25°C to +70°C (-13°F to +158°F)
RATED OPERATIONAL VOLTAGE	10-30 VDC
MAX. RIPPLE	≤ 10%
DC RATED OPERATIONAL CURRENT	≤ 150 mA
NO-LOAD CURRENT	≤ 15 mA
RESIDUAL CURRENT	≤ 0.1 mA
MAX. SWITCHING FREQUENCY	≤ 1.0 kHz
RATED INSULATION VOLTAGE	≤ 0.5 kV
OUTPUT FUNCTION	NORMALLY OPEN, 3-WIRE, PNP
SHORT-CIRCUIT PROTECTION	YES, CYCLIC
MAX. VOLTAGE DROP	≤ 1.8 V
WIRE BREAKAGE PROTECTION	INCORPORATED
REVERSE POLARITY PROTECTION	INCORPORATED
HOUSING MATERIAL	PLASTIC, PP
ACTIVE FACE MATERIAL	PLASTIC, PP
CABLE	ø3.0, LifYY-11Y, TPU
VIBRATION	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
SHOCK	30 g, 11 ms
DEGREE OF PROTECTION	IP68
SWITCHING STATUS INDICATION	LED, YELLOW
INCLUDED IN SCOPE OF SUPPLY	CABLE CLIP

CABLE LENGTH	TOLERANCE*
ALL LENGTHS	+ 4% (OR 50mm) OF LENGTH - 0% (OR 0mm) OF LENGTH WHICHEVER IS GREATER
STRIP LENGTH	TOLERANCE*
0-7mm	±0.5mm
8-29mm	±1.0mm
30-49mm	±2.0mm
50-69mm	±3.0mm
70-100mm	±4.0mm
OVER 100mm	±5.0mm

* UNLESS OTHERWISE SPECIFIED

SOURCE DRAWING - FOR REFERENCE ONLY

NOTES:

1. "/CS11679" DESIGNATES 300MM OF 1/4" SILICONE TUBING COVERING CABLE JACKET. TUBING WILL BE FREE FLOWING WITHOUT SHRINK TUBE TO HOLD IN PLACE.

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	DRFT RDS	DATE 12/07/09	DESCRIPTION BIM-UNT-AP6X-0.5-PSG3M/CS11679	
FINISH	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY	APVD	SCALE 1=1.0	IDENTIFICATION NO. 2690025	
E	REMOVED LED SQUARE AND UPDATED IP RATING	UNIT OF MEASUREMENT INCH [MILLIMETER]		REV E	
REV	DESCRIPTION	CONTACT TURCK FOR MORE INFORMATION		FILE: 2690025	
		DO NOT SCALE THIS DRAWING		SHEET 1 OF 1	