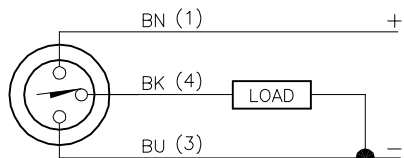
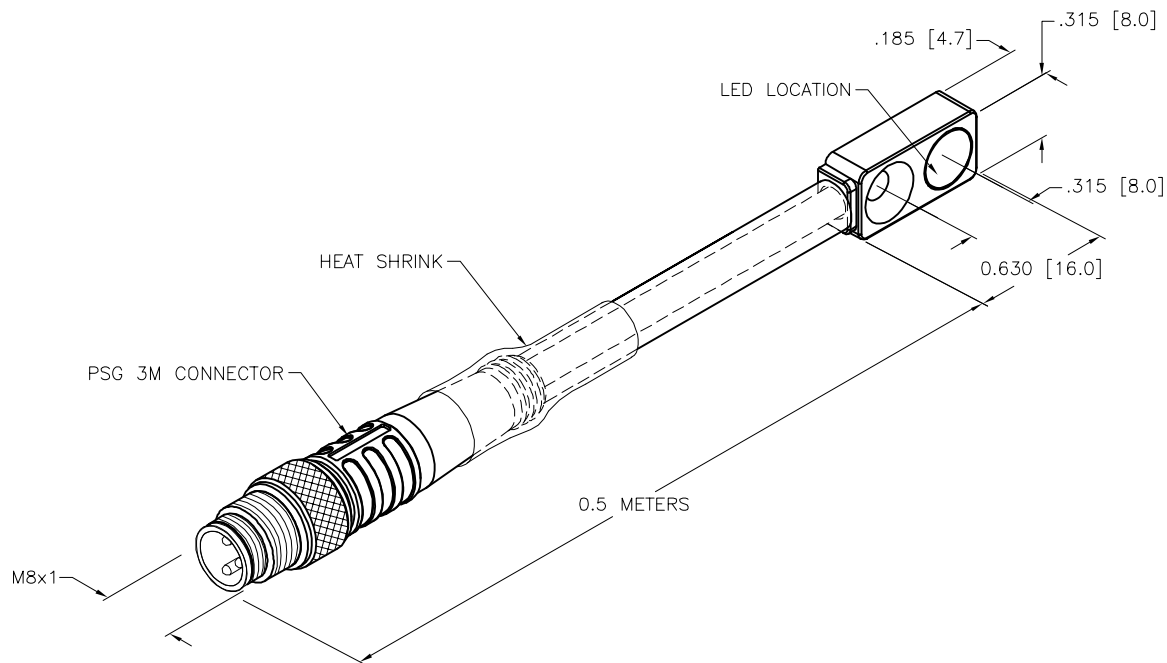


WIRING DIAGRAM



OUTPUT: AP6X

SHORT-CIRCUIT AND OVERLOAD PROTECTED



SPECIFICATIONS

RATED OPERATING DISTANCE	2mm = .079" (NOMINAL)
MOUNTING MODE	FLUSH
TEMPERATURE DRIFT	≤ ±10%
HYSTERESIS	3-15%
MIN. REPEAT ACCURACY	≤ 2%
OPERATING TEMPERATURE	0°C to +85°C (+32°F to +185°F)
RATED OPERATIONAL VOLTAGE	10-30 VDC
RESIDUAL RIPPLE	≤ 10%
RATED OPERATIONAL CURRENT	≤ 100 mA
NO-LOAD CURRENT	≤ 15 mA
RESIDUAL CURRENT	≤ 0.1 mA
RATED INSULATION VOLTAGE	≤ 0.5 kV
SHORT-CIRCUIT PROTECTION	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 kHz
HOUSING MATERIAL	METAL, GD-ZN/NICKEL PLATED
ACTIVE FACE	PLASTIC, PA-12
CABLE	∅3.0, TPU/GRAY
VIBRATION RESISTANCE	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
SHOCK RESISTANCE	30 g, 11 ms
DEGREE OF PROTECTION	IP67
SWITCHING STATUS INDICATION	LED, YELLOW

SOURCE DRAWING - FOR REFERENCE ONLY

NOTES:

1. "/S1144" DESIGNATES USE PTFE TUBING OVER SENSOR CABLE FOR PROTECTION.

TUBING STARTS AT SENSOR END, AND GET CAPTURED UNDER CONNECTOR MOLD MATERIAL. A 35MM PIECE OF SHRINK TUBING SHOULD OVERLAP THE MOLD BODY AND THE TUBING.

2. LED LOCATION IS AT THE EDGE OF THE SENSING FACE.

RELATED DOCUMENTS		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			
1.				DRFT RDS		DATE 07/20/16			
2.				APVD A.F.		SCALE 1=.8			
3.				UNIT OF MEASUREMENT				DESCRIPTION	
4.				INCH [MILLIMETER]				BI2-Q4.7-AP6X-0.5-PSG3M/S1144	
MATERIAL		ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY		CONTACT TURCK FOR MORE INFORMATION		IDENTIFICATION NO.			
FINISH						16140073			
D		UPDATED NOTES		AS		11/05/25			
REV		DESCRIPTION		BY		DATE			
						ECO NO.			
						DO NOT SCALE THIS DRAWING			
						FILE: 16140073			
						SHEET 1 OF 1			