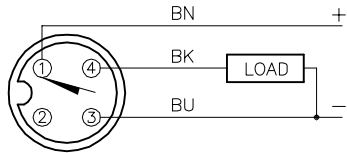


WIRING DIAGRAM

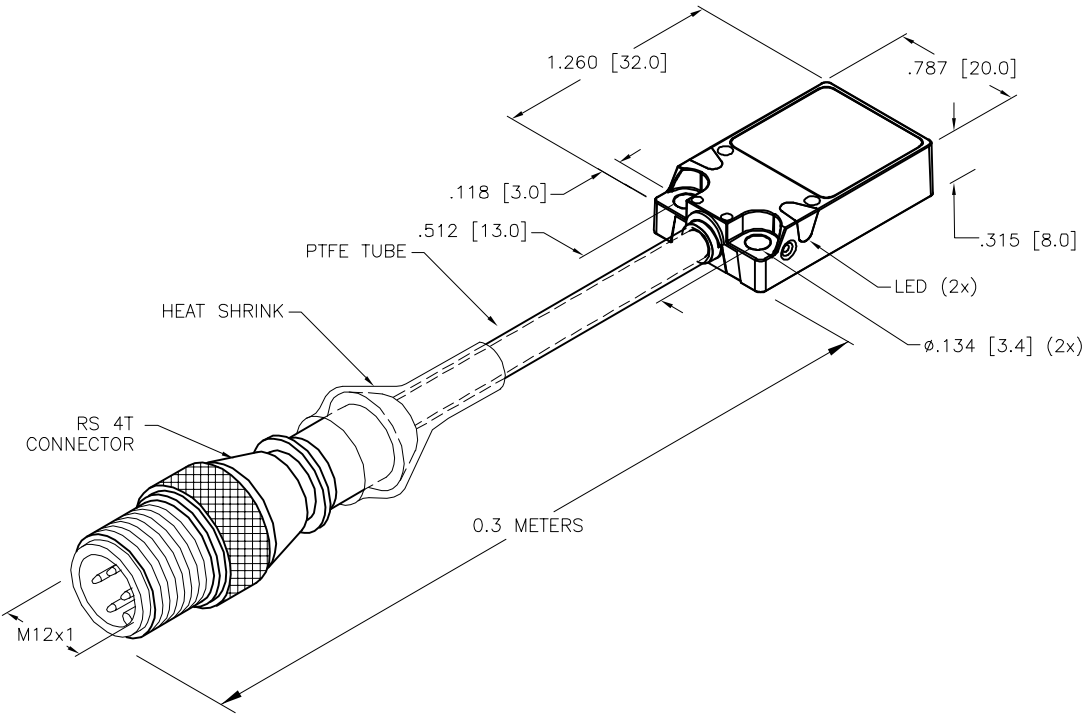


OUTPUT: AP6X2

SHORT-CIRCUIT AND OVERLOAD PROTECTED

SPECIFICATIONS

RATED OPERATING DISTANCE	5mm = .197"
MOUNTING MODE	FLUSH
TEMPERATURE DRIFT	≤±10% ≤±15%, ≤25°C v ≥ +70°C
HYSTERESIS	3-15%
MIN. REPEAT ACCURACY	≤2%
OPERATING TEMPERATURE	-30°C to +85°C (-22°F to +185°F)
RATED OPERATIONAL VOLTAGE	10-30 VDC
RESIDUAL RIPPLE	≤10%
DC 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
MAX. VOLTAGE DROP	≤1.8 V
REVERSE POLARITY PROTECTION	INCORPORATED
WIRE-BREAK PROTECTION	INCORPORATED
OUTPUT FUNCTION	NORMALLY OPEN, 3-WIRE, PNP
MAX. SWITCHING FREQUENCY	≤0.25 kHz
HOUSING MATERIAL	METAL, ZAMAK, NICKEL-PLATED
ACTIVE FACE MATERIAL	PLASTIC, PP, YELLOW
CABLE	∅3mm, LifY-11Y, TPU
SHOCK	30 g, 11 ms
VIBRATION	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
DEGREE OF PROTECTION	IP68
OPERATING VOLTAGE DISPLAY	LED: GREEN
SWITCHING STATUS INDICATION	LED: YELLOW



SOURCE DRAWING - FOR REFERENCE ONLY

NOTES:

- LED LOCATION IS AT THE EDGE OF THE SENSING FACE.
- "/S1154" DESIGNATES WELDGUARD-COATED SENSOR TO BE USED AS BASE UNIT. USE PTFE TUBING OVER SENSOR CABLE.
 - PTFE TUBING STARTS AT SENSOR END, AND GETS CAPTURED IN THE CONNECTOR MOLDING MATERIAL.
 - SLIDE 35MM OF SHRINK TUBING TO OVERLAP CONNECTOR MOLD BODY AND PTFE TUBING.

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 TV		DATE 02/10/17	
2.				APVD A.F.		SCALE 1=1.0	
3.		ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY		UNIT OF MEASUREMENT INCH [MILLIMETER]		DESCRIPTION	
4.						BI5U-Q08-AP6X2-0.3-RS4T/S1154	
MATERIAL		SEE NOTES		CONTACT TURCK FOR MORE INFORMATION		IDENTIFICATION NO.	
FINISH		SEE NOTES				1608899	
B UPDATE SPECS AND SENSOR BODY		RDS 03/12/21		76565		FILE: 1608899	
REV DESCRIPTION		BY DATE		ECO NO.		SHEET 1 OF 1	

DO NOT SCALE THIS DRAWING