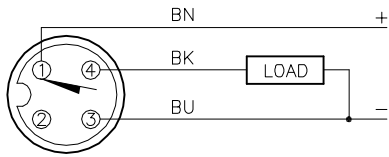
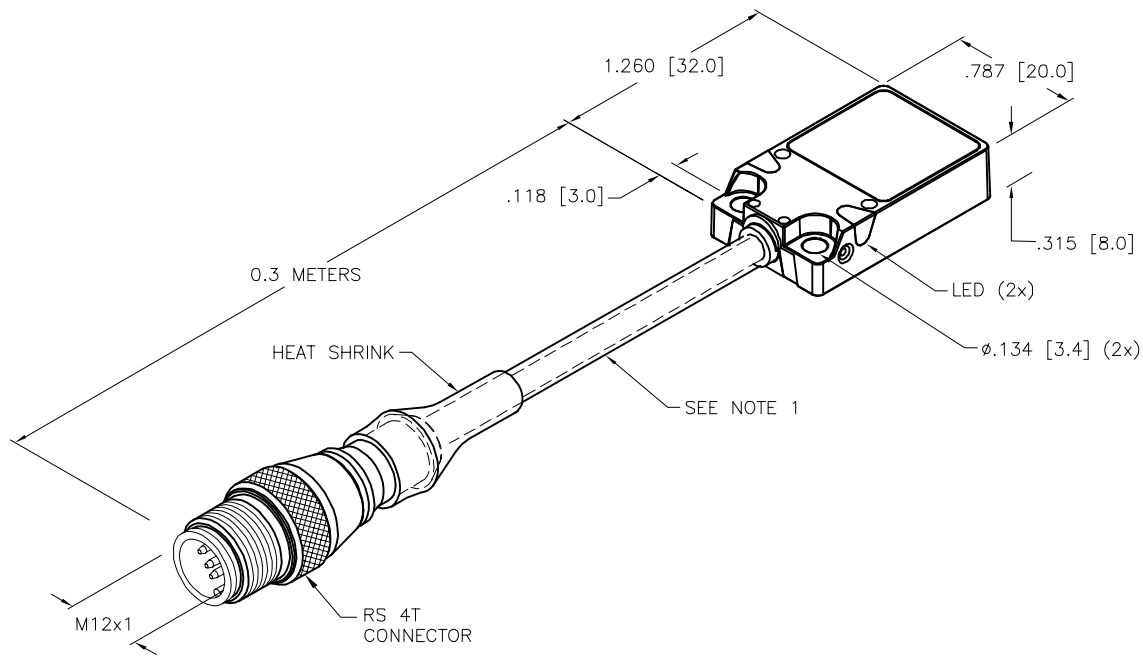


WIRING DIAGRAM



OUTPUT: AP6X2

SHORT-CIRCUIT AND OVERLOAD PROTECTED



NOTES:

1. "/S34" DESIGNATES WELD FIELD IMMUNITY. SENSOR IS SUITABLE FOR USE ON RESISTANCE MACHINES.
2. "/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

SPECIFICATIONS

RATED OPERATING DISTANCE	5mm = .197" (NOMINAL)
MOUNTING MODE	FLUSH
TEMPERATURE DRIFT	≤ ±10%
HYSTERESIS	3-15%
MIN. REPEAT ACCURACY	≤ 2%
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
MAX. VOLTAGE DROP	≤ 1.8 V
REVERSE POLARITY PROTECTION	INCORPORATED
WIRE-BREAK PROTECTION	INCORPORATED
OUTPUT FUNCTION	NORMALLY OPEN, 3-WIRE, pnp
MAX. SWITCHING FREQUENCY	≤0.5 kHz
HOUSING MATERIAL	METAL, ZAMAK, NICKEL-PLATED
ACTIVE FACE	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

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 04/07/15	DESCRIPTION BI5-Q08-AP6X2-0.3-RS4T/S34/S1154	
FINISH	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY	APVD A.F.	SCALE 1=1.0	IDENTIFICATION NO. 16008000	
CONTACT TURCK FOR MORE INFORMATION		UNIT OF MEASUREMENT <b>INCH [ MILLIMETER ]</b>		REV C	
DO NOT SCALE THIS DRAWING		FILE: 16008000		SHEET 1 OF 1	

C	UPDATE TO NEW SENSOR BODY	RDS	03/08/21	76553
REV	DESCRIPTION	BY	DATE	ECO NO.