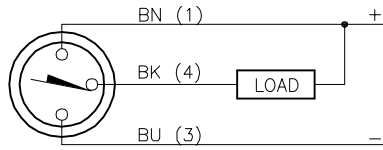


WIRING DIAGRAM

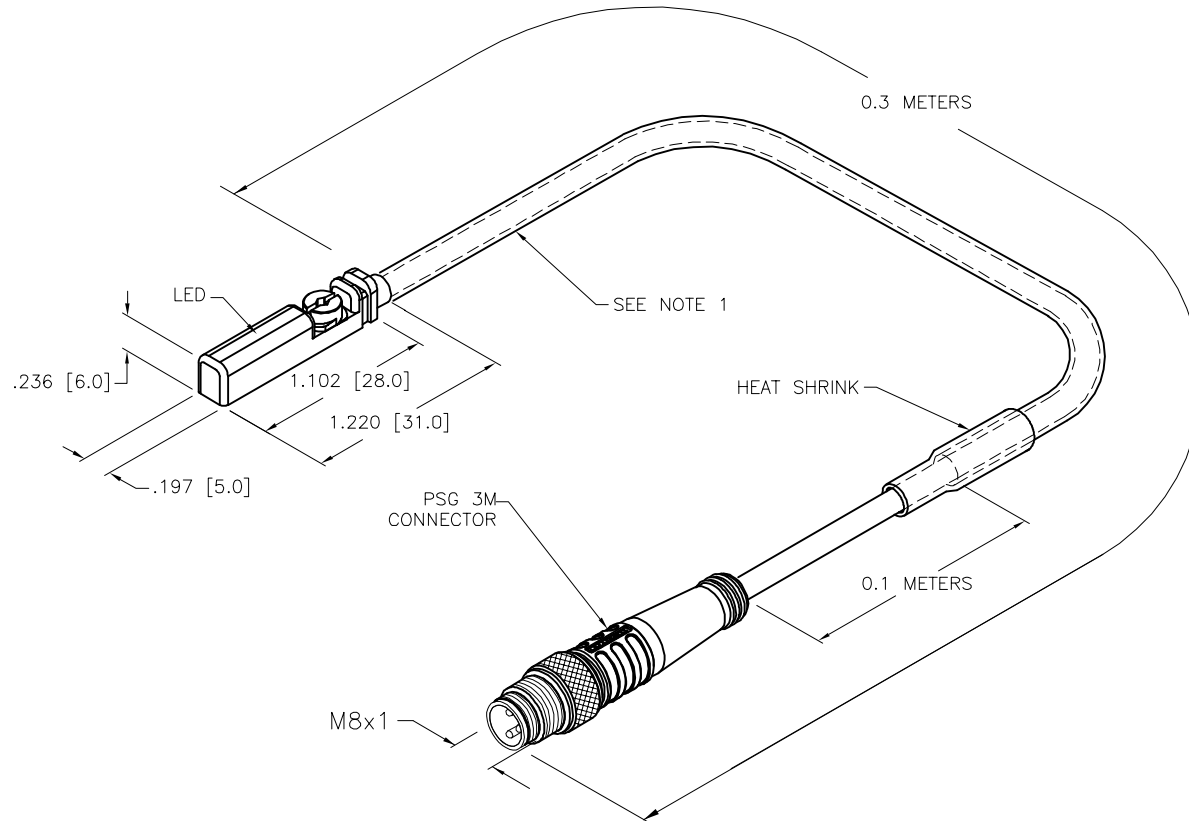


OUTPUT: AN6X

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
RESIDUAL 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, NPN
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, 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

1. "/S1764" WELDGUARD COATED SENSOR WITH FIREFAST VITON SLEEVING. SLEEVE STARTS ON SENSOR END, AND COVERS ALL BUT 100MM OF CABLE HELD IN PLACE BY SHRINK TUBE.

RELATED DOCUMENTS		3RD ANGLE PROJECTION		THIS DRAWING IS CONFIDENTIAL AND THE PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED. TURCK		3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-0708 fax www.turck.us	
1. 2. 3. 4.							
MATERIAL		DRFT RDS		DATE 04/24/13		DESCRIPTION	
		APVD A.F.		SCALE 1=1.0		BIM-UNT-AN6X-0.3-PSG3M/S1764	
FINISH		UNIT OF MEASUREMENT INCH [MILLIMETER] DO NOT SCALE THIS DRAWING		IDENTIFICATION NO.		REV	
				46857026		D	
				FILE: 46857026		SHEET 1 OF 1	

D	UPDATE SENSOR BODY AND PROTECTION CLASS	RDS	02/11/21	76491
REV	DESCRIPTION	BY	DATE	ECO NO.