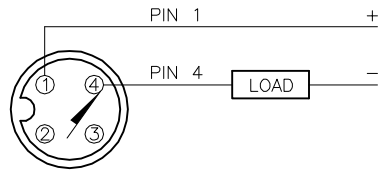
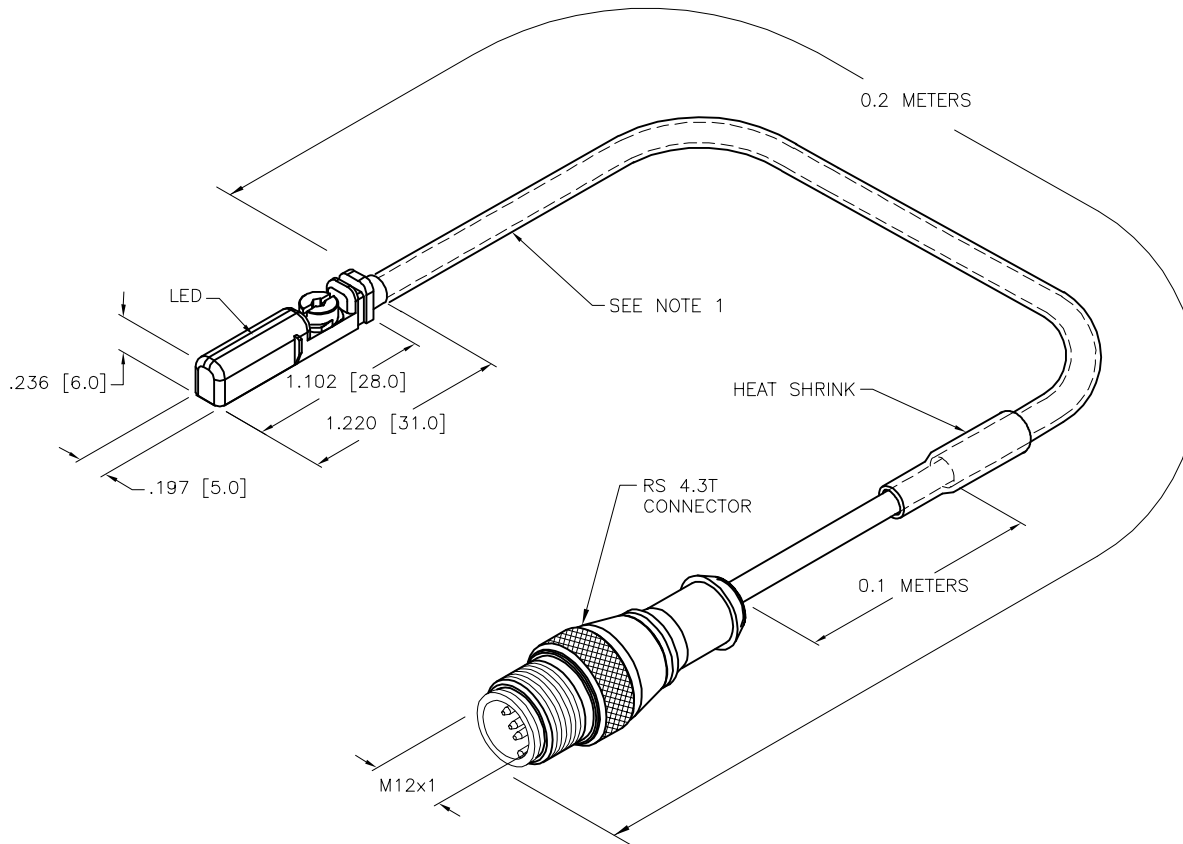


WIRING DIAGRAM



OUTPUT: AG41X

SHORT-CIRCUIT AND OVERLOAD PROTECTED



NOTES:

1. "/S3395" DESIGNATES CYLINDER POSITION SENSOR WITH A WIDER TRAVEL, A.K.A. MORE RANGE. POTTED TPU CABLE FOR USE IN WELDING APPLICATIONS.
2. "/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.

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	10-55 VDC
RESIDUAL RIPPLE	≤ 10%
DC RATED OPERATIONAL CURRENT	≤ 100 mA
RESIDUAL CURRENT	≤ 0.8 mA
MAX. SWITCHING FREQUENCY	≤ 1.0 kHz
RATED INSULATION VOLTAGE	≤ 0.5 kV
SHORT-CIRCUIT PROTECTION	YES, CYCLIC
MAX. VOLTAGE DROP	≤ 3.5 V
WIRE BREAKAGE PROTECTION	NOT INCORPORATED
REVERSE POLARITY PROTECTION	POLARIZED
OUTPUT FUNCTION	2-WIRE, DC
HOUSING MATERIAL	PLASTIC, PP
ACTIVE FACE MATERIAL	PLASTIC, PP
CABLE	ø3mm, Lif9Y-11YFHF, 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

SOURCE DRAWING - FOR REFERENCE ONLY

H	UPDATE SPECS	RDS	02/09/21	76485
REV	DESCRIPTION	BY	DATE	ECO. NO.

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	
		DRFT	RDS	DATE	01/05/09
		APVD		SCALE	1=1.0
		UNIT OF MEASUREMENT		DESCRIPTION	
MATERIAL	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY CONTACT TURCK FOR MORE INFORMATION	INCH [MILLIMETER]		BIM-UNT-AG41X-0.2-RS4.23T/S3395/S1764	
FINISH		DO NOT SCALE THIS DRAWING		IDENTIFICATION NO.	REV
				4688098	H
				FILE: 4688098	SHEET 1 OF 1