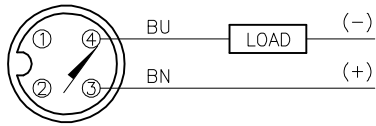
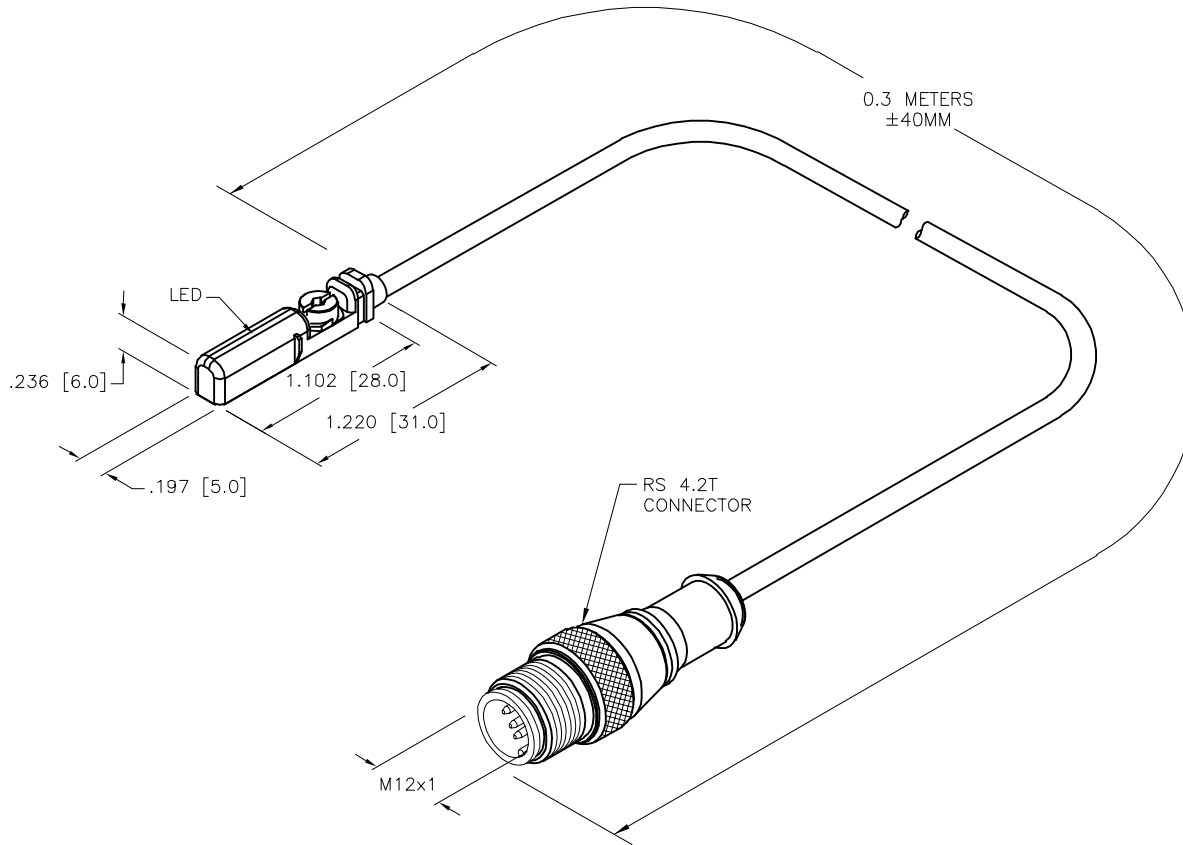


# WIRING DIAGRAM



OUTPUT: AG41X

SHORT-CIRCUIT AND OVERLOAD PROTECTED



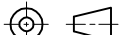

# SPECIFICATIONS

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	10-55 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-11YHFH, 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

## NOTES:

1. "/S1139" DESIGNATES CYLINDER POSITION SENSOR WITH A WIDER TRAVEL, A.K.A. MORE RANGE.
2. "/S1160" DESIGNATES POTTED TPU CABLE FOR USE IN WELDING APPLICATIONS.

## 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	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY  CONTACT TURCK FOR MORE INFORMATION	DRFT	RDS	DATE	06/20/12			DESCRIPTION  BIM-UNT-AG41X-0.3-RS4.2T/S1139/S1160
APVD		A.F.	SCALE	1=1.0				
FINISH		UNIT OF MEASUREMENT  <b>INCH [ MILLIMETER ]</b>	DO NOT SCALE THIS DRAWING					
		IDENTIFICATION NO.  46857661						REV  C
		FILE: 46857661						SHEET 1 OF 1

C	ADD TOLERANCE TO CABLE	AS	04/11/23	78465
REV	DESCRIPTION	BY	DATE	ECO NO.