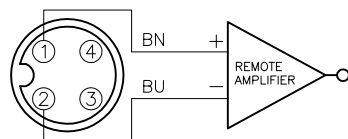
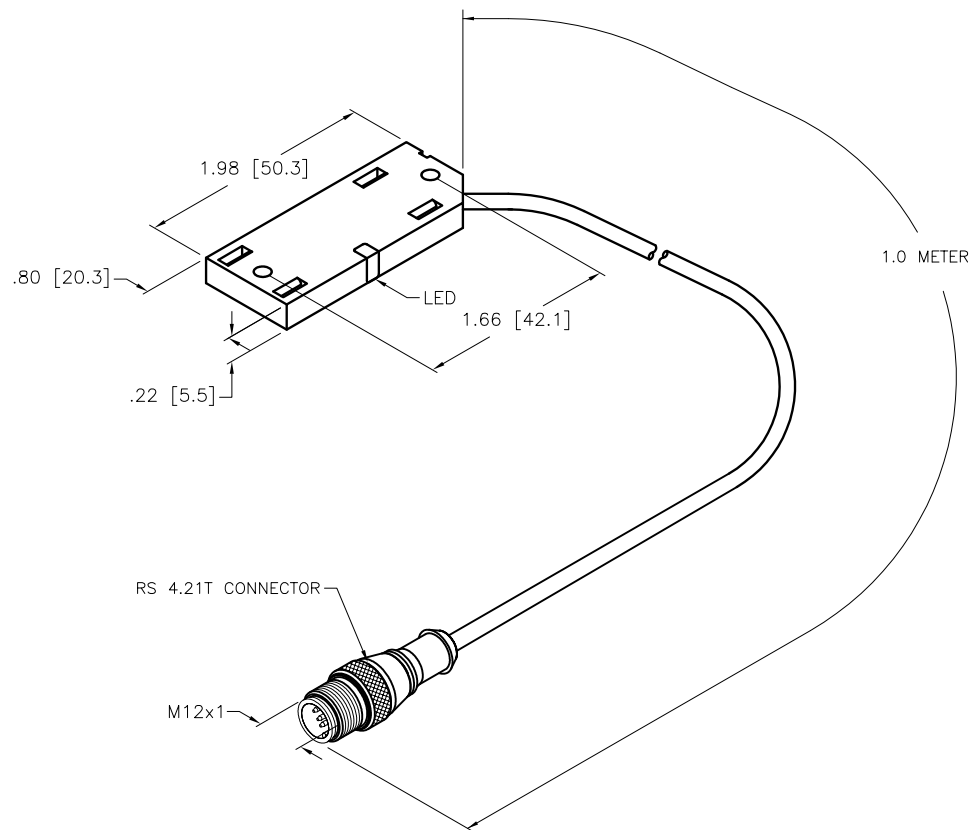


WIRING DIAGRAM



OUTPUT: Y1X

SHORT-CIRCUIT AND OVERLOAD PROTECTED



SPECIFICATIONS

RATED OPERATING DISTANCE	5 mm = .197" (NOMINAL)
MOUNTING MODE	FLUSH, NON-FLUSH
TEMPERATURE DRIFT	≤ ± 20%
HYSTERESIS	1-20%
MIN. REPEAT ACCURACY	≤ 2%
OPERATING TEMPERATURE	-25°C to +70°C (-13°F to +158°F)
RATED OPERATIONAL VOLTAGE	8.2 VDC NOMINAL
NON-ACTUATED CURRENT CONSUMPTION	≤ 1.2 mA
ACTUATED CURRENT CONSUMPTION	≥ 2.1 mA
SWITCHING FREQUENCY	≤ 0.1 kHz
OUTPUT FUNCTION	2-WIRE, NAMUR
APPROVAL ACCORDING TO:	KEMA 02 ATEX 1090X
INTERNAL INDUCTANCE (L _i)/CAPACITANCE (C _i)	150 nF/150 μH
DEVICE DESIGNATION	II 2 G EEx ia IIC T6 (max. U _i = 20 V, I _i = 60 mA, P _i = 80 mW)
HOUSING MATERIAL	PLASTIC, PP
ACTIVE FACE MATERIAL	PLASTIC, PP
CONNECTION	M12x1
CABLE	Ø 3.2, LifYY, PVC
VIBRATION RESISTANCE	<55 Hz, <1 mm AMPLITUDE (IN ALL 3 PLANES)
SHOCK RESISTANCE	<30 g, <11 ms
DEGREE OF PROTECTION	IP67
SWITCHING STATUS INDICATION	LED: YELLOW

NOTES:

1. "/S250" DESIGNATES CAPACITIVE SENSOR W/FIXED CALIBRATION.

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 SEE SPECS	DRFT RDS APVD K.H.	DATE 12/20/11 SCALE 1=1.7	DESCRIPTION BC 5-QF5.5-Y1X-1M-RS4.21T/S250	
FINISH	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY	UNIT OF MEASUREMENT INCH [MILLIMETER]		IDENTIFICATION NO. 20300000	REV B
B UPDATE ID NUMBER PER HARMONIZATION PROJECT	CBM 11/06/17	DO NOT SCALE THIS DRAWING		FILE: 20300000	SHEET 1 OF 1
REV DESCRIPTION	BY DATE ECO NO.				