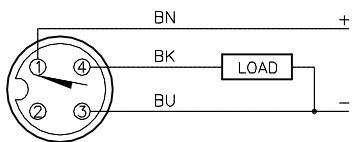


### WIRING DIAGRAM

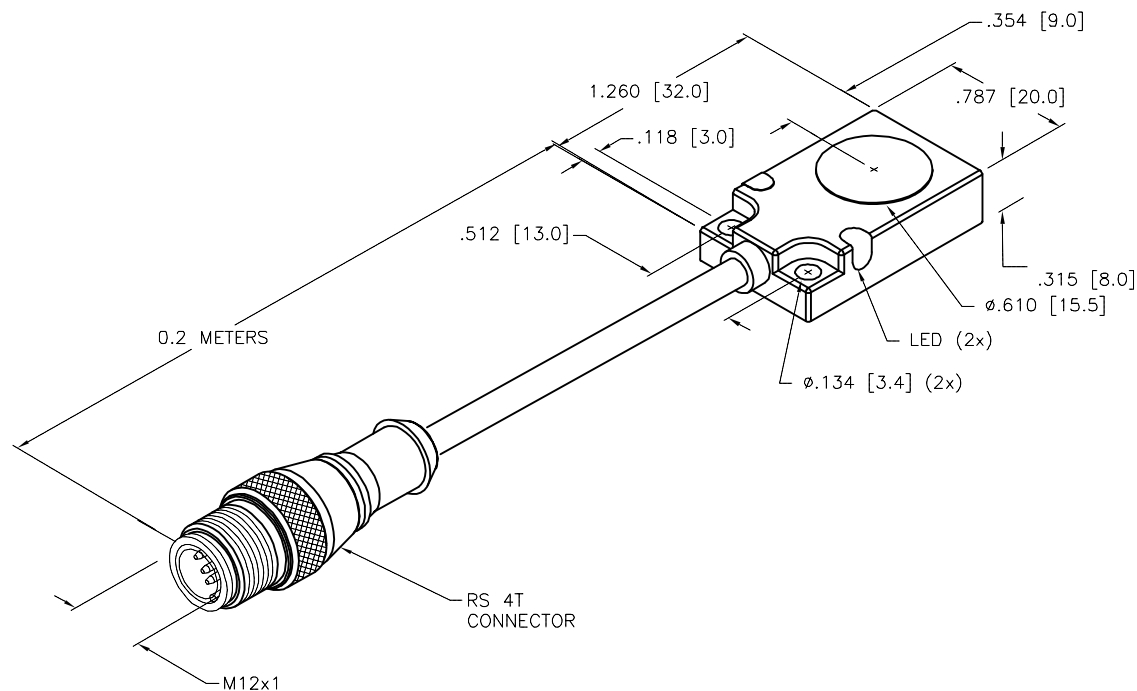
OUTPUT: AP6X2

SHORT-CIRCUIT AND OVERLOAD PROTECTED



OUTPUT: AP6X2

SHORT-CIRCUIT AND OVERLOAD PROTECTED



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
<b>* UNLESS OTHERWISE SPECIFIED</b>	


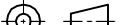
NOTES:

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

C	UPDATE CABLE O.D.	NF	03/18/16	54015
REV	DESCRIPTION	BY	DATE	ECO NO.

SPECIFICATIONS	
RATED OPERATING DISTANCE	5mm = .197" (NOMINAL)
MOUNTING MODE	FLUSH or NON-FLUSH
TEMPERATURE DRIFT	≤±20%
HYSTERESIS	2-20%
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%
DC RATED OPERATIONAL CURRENT	≤200 mA
NO-LOAD CURRENT	≤ 15 mA
RESIDUAL CURRENT	≤0.1 mA
MAX. SWITCHING FREQUENCY	≤0.1 kHz
RATED INSULATION VOLTAGE	≤0.5 kV
OUTPUT FUNCTION	NORMALLY OPEN, 3-WIRE, PNP
SHORT-CIRCUIT PROTECTED	YES
MAX. VOLTAGE DROP	≤ 1.8 V
REVERSE POLARITY PROTECTION	INCORPORATED
WIRE-BREAK PROTECTION	INCORPORATED
HOUSING MATERIAL	METAL, GD-ZN, BLACK
ACTIVE FACE MATERIAL	PLASTIC, PA12-GF30
CABLE	ø4.0, LiYY, PVC
SHOCK	30 g, 11 ms
VIBRATION	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
DEGREE OF PROTECTION	IP67
OPERATING VOLTAGE DISPLAY	LED: GREEN
SWITCHING STATUS INDICATION	LED: YELLOW

**SOURCE DRAWING - FOR REFERENCE ONLY**

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MATERIAL	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY	DRFT	RDS	DATE	02/19/09		
		APVD		SCALE	1 = 1.0		
FINISH	CONTRACT TURCK FOR MORE INFORMATION	UNIT OF MEASUREMENT			DESCRIPTION		
		<b>INCH [ MILLIMETER ]</b>			BC 5-Q08-AP6X2-0.2M-RS 4T/S250		
		DO NOT SCALE THIS DRAWING			IDENTIFICATION NO.		REV
					S2620090		C
					FILE: S2620090		SHEET 1 OF 1