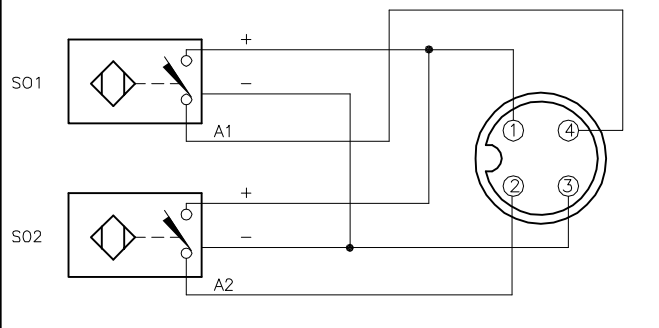
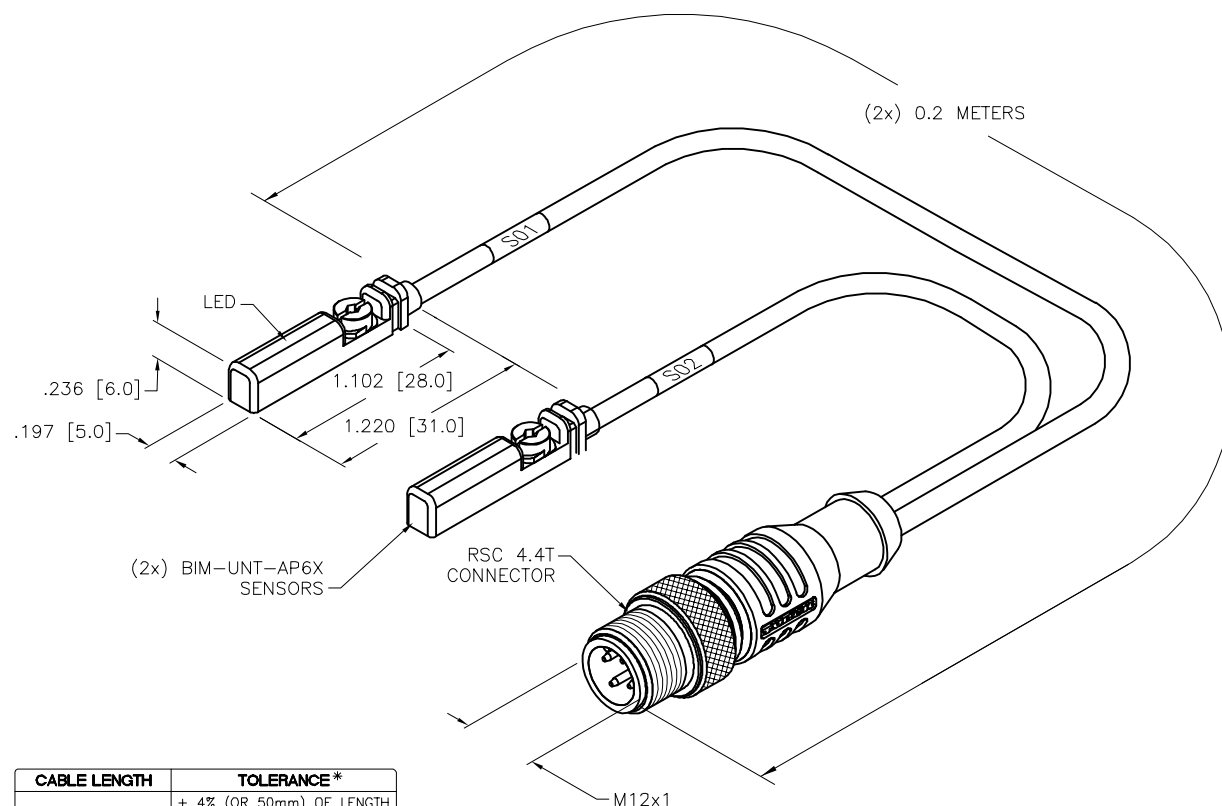


WIRING DIAGRAM



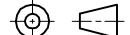
SPECIFICATIONS PER SENSOR

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
MAX. RIPPLE	≤10%
DC RATED OPERATIONAL CURRENT	≤ 150 mA PER SENSOR
NO-LOAD CURRENT	≤ 30 mA
RESIDUAL CURRENT	≤ 0.1 mA PER SENSOR
MAX. SWITCHING FREQUENCY	≤ 1.0 kHz
RATED INSULATION VOLTAGE	≤ 0.5 kV
OUTPUT FUNCTION	NORMALLY OPEN, 3-WIRE, PNP
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, LifYY–11Y, 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

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 SPECIFICATIONS	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY	DRFT	RDS	DATE	08/13/09	DESCRIPTION BIM-UNT-2AP6X-0.2-RSC4.4T		
APVD		SCALE		1=1.0				
FINISH SEE SPECIFICATIONS		CONTACT TURCK FOR MORE INFORMATION	UNIT OF MEASUREMENT INCH [MILLIMETER]			IDENTIFICATION NO. 4685891		
DO NOT SCALE THIS DRAWING			FILE: 4685891					

G	UPDATE SENSOR BODY & PROTECTION CLASS	RDS	02/17/21	76510
REV	DESCRIPTION	BY	DATE	ECO NO.