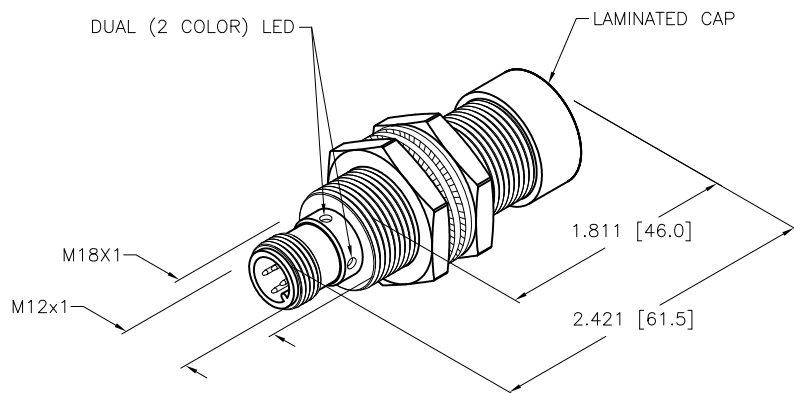


SPECIFICATIONS	
OPERATING VOLTAGE	10-30 VDC
RIPPLE	≤ 10%
DIFFERENTIAL TRAVEL (HYSTERESIS)	3-15% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤ 1.8 V at 200 mA
OUTPUT FUNCTION	NORMALLY OPEN, PNP, 3-WIRE DC SELF-CONTAINED
SHORT-CIRCUIT PROTECTED	YES
TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥ 220 mA
CONTINUOUS LOAD CURRENT	≤ 200 mA
OFF-STATE (LEAKAGE) CURRENT	< 10 μA
NO-LOAD CURRENT	≤ 15 mA
TIME DELAY BEFORE AVAILABILITY	≤ 8 ms
POWER-ON EFFECT	INCORPORATED
REVERSE POLARITY PROTECTION	INCORPORATED
WIRE-BREAK PROTECTION	INCORPORATED
PROTECTION AGAINST TRANSIENTS	Per EN 60947-5-2
OPERATING TEMPERATURE (10% DRIFT)	-25°C to +70°C (-13°F to +158°F)
OPERATING TEMPERATURE (15% DRIFT)	-30°C to +85°C (-22°F to +185°F)
ENCLOSURE	MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP68
SHOCK	30 g, 11 ms
VIBRATION	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
LED FUNCTION	GREEN = POWER ON GREEN (FLASH) = SHORT CIRCUIT YELLOW = OUTPUT ENERGIZED
RATED OPERATING DISTANCE(S _n)	5 mm = .197" (NOMINAL)
SWITCHING FREQUENCY	2500 Hz
REPEATABILITY	≤ 2% of RATED OPERATING DISTANCE
EMBEDDABLE (SHIELDED)	YES



NOTES:

1. UPROX HAS WELD FIELD IMMUNITY, SENSOR IS SUITABLE FOR USE ON RESISTANCE MACHINES.
2. MATERIAL:
PTFE-COATED BARREL
PTFE-COATED CONNECTOR
PTFE-COATED LOCKNUTS
PTFE-COATED LOCKWASHERS
3. WELDGUARD COATED THERMOSET PLASTIC LAMINATE ON SENSING FACE.
4. "/S1610" DESIGNATES 7mm ARMOR GUARD TOOL STEEL SLEEVE ADDED.

SOURCE DRAWING - FOR REFERENCE ONLY

RELATED DOCUMENTS		3RD ANGLE PROJECTION		<div>THIS DRAWING IS CONFIDENTIAL AND THE PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED.</div> <div>TURCK</div>		3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-0708 fax www.turck.us					
1. 2. 3. 4.											
MATERIAL SEE NOTES		ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY		DRFT RDS		DATE 04/22/05		DESCRIPTION BI5U-MT18-AP6X2-H1141/S395/S1610			
FINISH		CONTACT TURCK FOR MORE INFORMATION		APVD		SCALE NONE		IDENTIFICATION NO. 1635293		REV D	
				UNIT OF MEASUREMENT INCH [MILLIMETER]				FILE: 1635293		SHEET 1 OF 1	
				DO NOT SCALE THIS DRAWING							