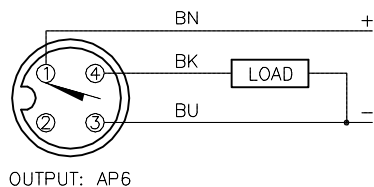
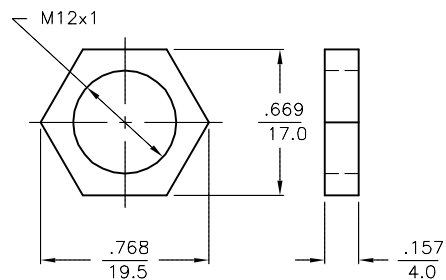


WIRING DIAGRAM



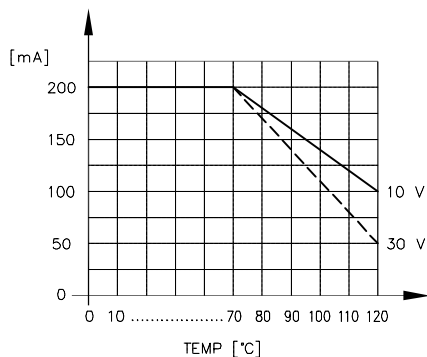
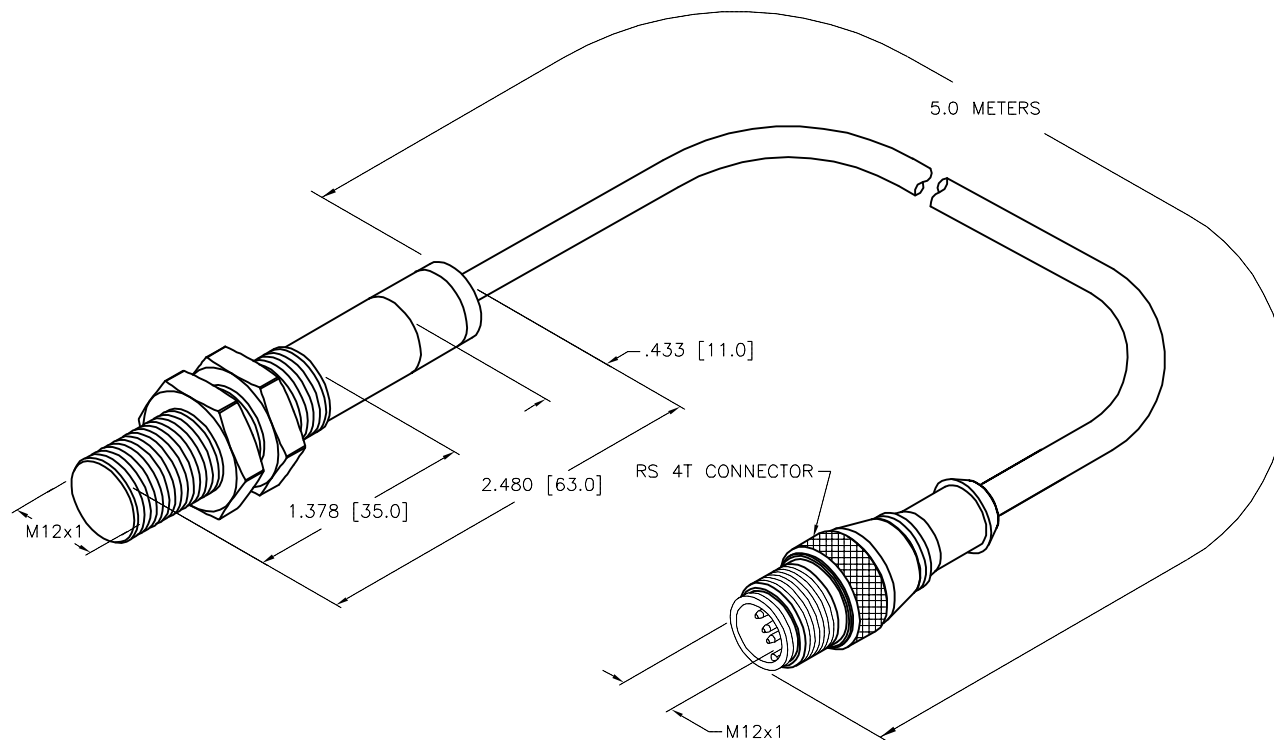
SHORT-CIRCUIT AND OVERLOAD PROTECTED

LOCKNUT LN-M12

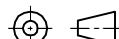


SPECIFICATIONS

RATED OPERATING DISTANCE	2mm = .079"
MOUNTING MODE	FLUSH
TEMPERATURE DRIFT	$\leq \pm 10\%$ $\leq \pm 20\%$, $\geq +70^\circ\text{C}$
HYSTERESIS	3-15%
MIN. REPEAT ACCURACY	$\leq 2\%$
OPERATING TEMPERATURE	-25°C to $+120^\circ\text{C}$ (-13°F to $+248^\circ\text{F}$)
RATED OPERATIONAL VOLTAGE	10-30 VDC
RESIDUAL RIPPLE	$\leq 10\%$
DC RATED OPERATIONAL CURRENT	≤ 200 mA
NO-LOAD CURRENT	≤ 15 mA
RESIDUAL CURRENT	≤ 0.1 mA
RATED INSULATION VOLTAGE	≤ 0.5 kV
SHORT-CIRCUIT PROTECTION	YES
MAX. VOLTAGE DROP	≤ 1.8 V
WIRE BREAKAGE PROTECTION	INCORPORATED
REVERSE POLARITY PROTECTION	INCORPORATED
OUTPUT FUNCTION	3-WIRE, NORMALLY OPEN, PNP
MAX. SWITCHING FREQUENCY	≤ 0.1 kHz
HOUSING MATERIAL	METAL, V4A (1.4571)
ACTIVE FACE	PLASTIC, PTFE
END CAP	PLASTIC, PTFE
CABLE	$\varnothing 6.0$, SIHSE, SILICONE
VIBRATION RESISTANCE	55 Hz (IN ALL 3 PLANES)
SHOCK RESISTANCE	30 g, 11 ms
DEGREE OF PROTECTION	IP67 (SENSOR ONLY)



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	DRFT	RDS	DATE	03/18/20	DESCRIPTION BI2-EM12D-AP6-5-RS4T/S120		
APVD		A.F.	SCALE	1=1.0				
FINISH		UNIT OF MEASUREMENT INCH [MILLIMETER]				IDENTIFICATION NO. 100018200		REV A
		DO NOT SCALE THIS DRAWING				FILE: 100018200		SHEET 1 OF 1

A	DRAWING RELEASE	RDS	03/19/20	
REV	DESCRIPTION	BY	DATE	ECO. NO.