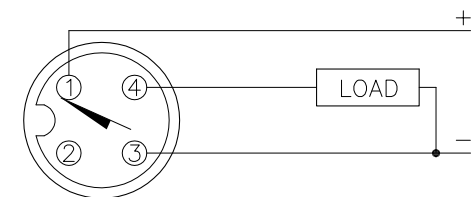


WIRING DIAGRAM

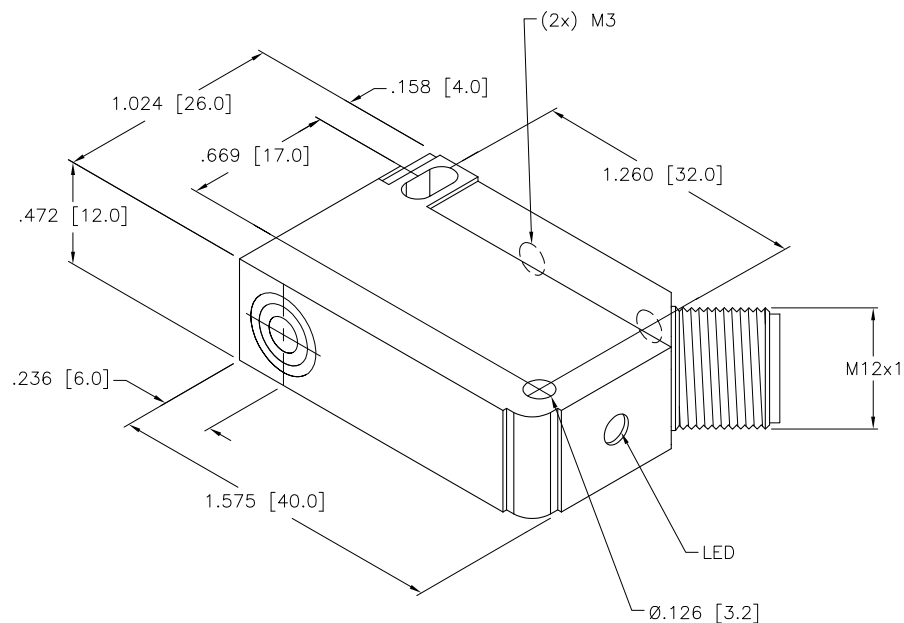


OUTPUT: AP6X2

SHORT-CIRCUIT AND OVERLOAD PROTECTED

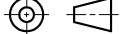
SPECIFICATIONS

RATED OPERATING DISTANCE(Sn)	5mm = .197" (NOMINAL)
MOUNTING MODE	FLUSH
DIFFERENTIAL TRAVEL (HYSTERESIS)	3-15%
MIN. REPEAT ACCURACY	≤ 2%
TEMPERATURE DRIFT	≤ ± 10%
OPERATING TEMPERATURE	-25°C to +70°C (-13°F to +158°F)
RATED OPERATIONAL VOLTAGE	10-30 VDC
RIPPLE	≤10%
RATED OPERATIONAL CURRENT	≤ 200 mA
NO-LOAD CURRENT	≤ 15 mA
RESIDUAL CURRENT	≤0.1 mA
RATED INSULATION VOLTAGE	≤0.5 kV
SHORT-CIRCUIT PROTECTED	YES, CYCLIC
MAX. VOLTAGE DROP	≤ 1.8 V
WIRE BREAKAGE PROTECTION	INCORPORATED
REVERSE POLARITY PROTECTION	INCORPORATED
OUTPUT FUNCTION	3-WIRE, NORMALLY OPEN, PNP
MAX. SWITCHING FREQUENCY	≤ 1.0 kHz
HOUSING MATERIAL	PLASTIC, PA12-GF20
ACTIVE FACE MATERIAL	PLASTIC, PA12-GF20
CONNECTION	M12x1
VIBRATION	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
SHOCK	30 g, 11 ms
PROTECTION DEGREE	IP68
OPERATING VOLTAGE DISPLAY	LED: GREEN
SWITCHING STATUS INDICATION	LED: YELLOW



SOURCE DRAWING - FOR REFERENCE ONLY

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

RELATED DOCUMENTS 1. 2. 3. 4.	<div>3RD ANGLE PROJECTION</div> <div></div>	<div>THIS DRAWING IS PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED.</div>		<div>TURCK inc</div> <div><i>High Technology Sensors and Automation Controls</i></div>		<div>3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-0708 fax turck.com</div>		
MATERIAL	<div>ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY</div> <div>CONTACT TURCK FOR MORE INFORMATION</div>	DRFT	RDS	DATE	10/13/06	DESCRIPTION BI 5U-Q12-AP6X2-H1141		
		DSGN	AF	SCALE	1=.8			
SEE NOTES		UNIT OF MEASUREMENT INCH [MILLIMETER]	DO NOT SCALE THIS DRAWING			IDENTIFICATION NO.		REV
FINISH						M1635526		A
SEE NOTES		FILE: M1635526				SHEET 1 OF 1		

A	DRAWING RELEASE	RDS	10/13/06	
REV	DESCRIPTION	BY	DATE	ECO NO.