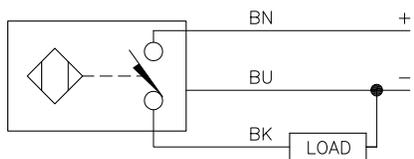


WIRING DIAGRAM

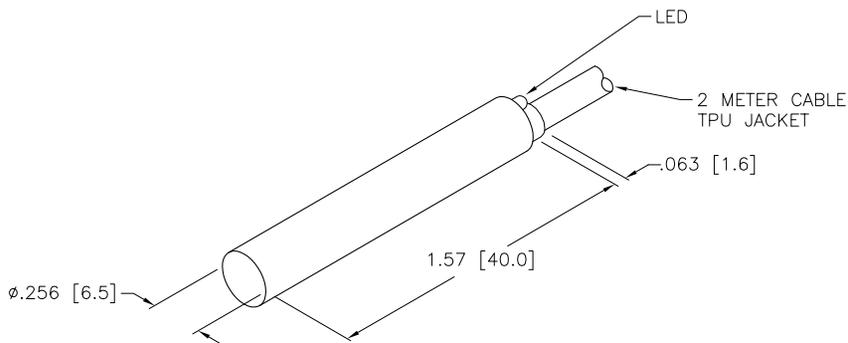


OUTPUT: AP6X

SHORT-CIRCUIT AND OVERLOAD PROTECTED

SPECIFICATIONS

OPERATING VOLTAGE	10-30 VDC
RIPPLE	≤ 10%
DIFFERENTIAL TRAVEL (HYSTERESIS)	3-15% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤ 1.8 V at 150 mA
OUTPUT FUNCTION	NORMALLY OPEN 3-WIRE DC SELF-CONTAINED
SHORT-CIRCUIT PROTECTED	YES
TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥ 170 mA
CONTINUOUS LOAD CURRENT	≤ 150 mA
OFF-STATE (LEAKAGE) CURRENT	<10 μA
NO LOAD CURRENT	1.0-9.5mA
MAXIMUM APPROACH VELOCITY	≤ 1 ms
TIME DELAY BEFORE AVAILABILITY	≤ 8 ms
REVERSE POLARITY PROTECTION	INCORPORATED
WIRE-BREAK PROTECTION	INCORPORATED
POWER-ON EFFECT PROTECTION	Per IEC 947-5-2
PROTECTION AGAINST TRANSIENTS	Per EN 60947-5-2
OPERATING TEMPERATURE	-25°C to +70°C (-13°F to +158°F)
ENCLOSURE	MEETS NEMA 1,3,4,6,13 AND IEC IP 67
SHOCK	30 g, 11 ms
VIBRATION	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
LED FUNCTION	YELLOW: OUTPUT ENERGIZED
RATED OPERATING DISTANCE(S <sub>n</sub> )	1.5 MM = .059" (NOMINAL)
SWITCHING FREQUENCY	3000 Hz
TEMPERATURE DRIFT	≤ 0.1mm
REPEATABILITY	≤ 2% OF NOMINAL SENSING RANGE
EMBEDDABLE (SHIELDED)	YES



NOTES: 1. MATERIALS:  
 BARREL - STAINLESS STEEL  
 SENSING FACE - PA12-GF30 PLASTIC  
 END CAP - TROGAMID T

SOURCE DRAWING - FOR REFERENCE ONLY

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	MATERIAL SEE NOTE 1	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY	DRFT JBJ DSGN	DATE 06/18/02 SCALE 1=1.0	DESCRIPTION Bi 1.5-EH6.5-AP6X
FINISH	CONTACT TURCK FOR MORE INFORMATION	UNIT OF MEASUREMENT <b>INCH [ MILLIMETER ]</b>		IDENTIFICATION NO. S4612000	REV B
DO NOT SCALE THIS DRAWING		FILE: S4612000		SHEET 1 OF 1	

B	DRAWING PROCESSED AS PART OF ECO 33971	CBM	04/06/11	33971
REV	DESCRIPTION	BY	DATE	ECO NO.