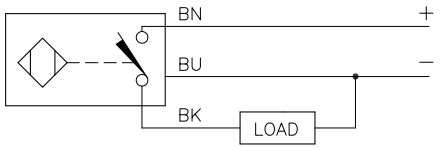
WIRING DIAGRAM

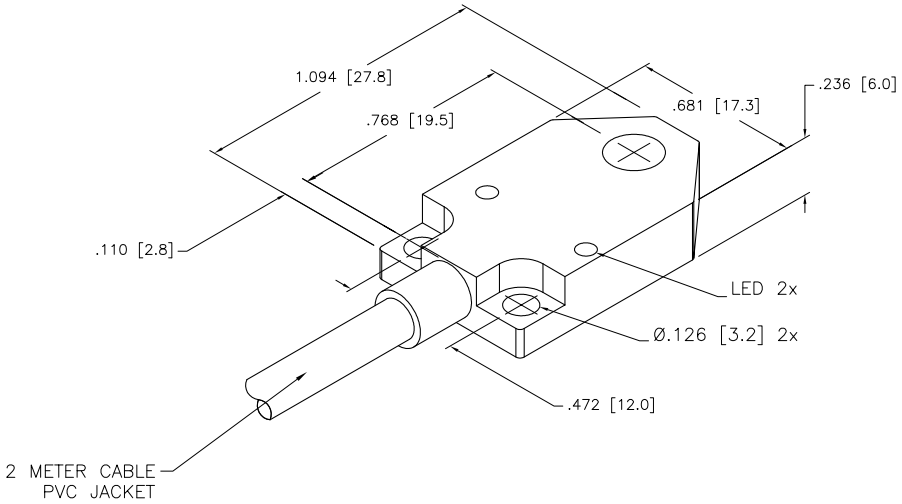


OUTPUT: AP6X

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 100 mA
OUTPUT FUNCTION	NORMALLY OPEN 3–WIRE DC SELF–CONTAINED
TTL COMPATIBLE	NO
TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥220 mA
CONTINUOUS LOAD CURRENT	≤200 mA
OFF–STATE (LEAKAGE) CURRENT	<10μ A
NO–LOAD CURRENT	≤15 mA
TIME DELAY BEFORE AVAILABILITY	≤8 ms
POWER–ON EFFECT PROTECTION	INCORPORATED
REVERSE POLARITY PROTECTION	INCORPORATED
WIRE–BREAK PROTECTION	INCORPORATED
PROTECTION AGAINST TRANSIENTS	2 kV, 1 ms, 1 kΩ
OPERATING TEMPERATURE	–25°C to +70°C (–13°F to +158°F)
ENCLOSURE	MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67
SHOCK	30 g, 11 ms
VIBRATION	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
LED FUNCTION	YELLOW: OUTPUT ENERGIZED GREEN: POWER ON
SENSING RANGE	3 mm = .118" (NOMINAL)
SWITCHING FREQUENCY	1000 Hz
REPEATABILITY	≤2% of RATED OPERATING DISTANCE
EMBEDDABLE (SHIELDED)	YES



REV	DESCRIPTION	BY	DATE	ECO NO.
D	UPDATE SENSOR DIMS	RDS	06/02/08	21632

RELATED DOCUMENTS
1.
2.
3.
4.

3RD ANGLE PROJECTION

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MATERIAL: PA 12–GF30 PLASTIC

FINISH

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DSGN: | SCALE: 1=.7

UNIT OF MEASUREMENT
INCH [MILLIMETER]

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IDENTIFICATION NO.: S1620100 | REV: D

FILE: S1620100 | SHEET 1 OF 1