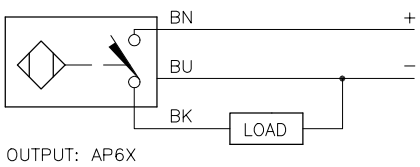
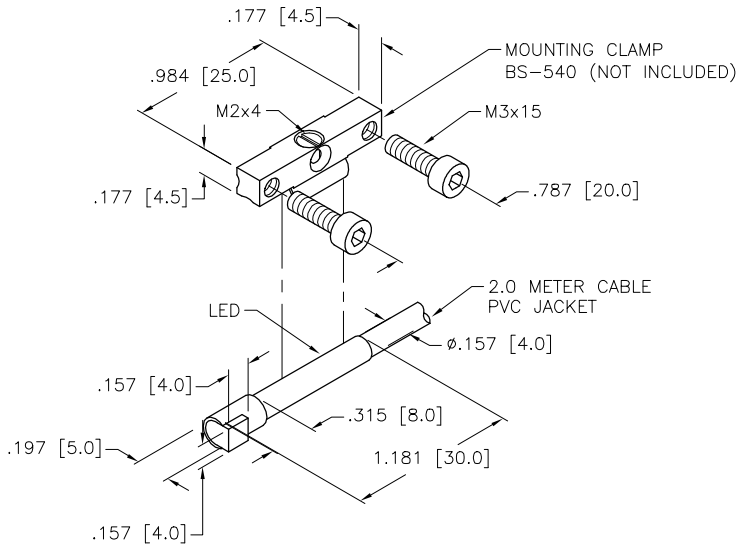
WIRING DIAGRAM



OUTPUT: AP6X

SHORT–CIRCUIT AND OVERLOAD PROTECTED

SPECIFICATIONS	
OPERATING VOLTAGE	10–30 VDC
RIPPLE	≤10%
DIFFERENTIAL TRAVEL (HYSTERESIS)	1–15% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤1.8 V at 100 mA
OUTPUT FUNCTION	NORMALLY OPEN 3–WIRE DC SELF–CONTAINED
SHORT–CIRCUIT PROTECTED	YES
TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥120 mA
CONTINUOUS LOAD CURRENT	≤100 mA
LEAKAGE (OFF–STATE) CURRENT	< 0.1 µA
NO–LOAD CURRENT	1.0–9.5 mA
TIME DELAY BEFORE AVAILABILITY	≤ 8 ms
POWER–ON EFFECT	Per IEC 947–5–2
REVERSE POLARITY PROTECTION	INCORPORATED
WIRE–BREAK PROTECTION	INCORPORATED
TRANSIENTS PROTECTION	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 IP67
SHOCK	30 g, 11 ms
VIBRATION	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
LED FUNCTION	YELLOW: OUTPUT ENERGIZED
RATED OPERATING DISTANCE(Sn)	1.0 mm = .0394" (NOMINAL)
SWITCHING FREQUENCY	3000 Hz
REPEATABILITY	≤ 2% of RATED OPERATING DISTANCE
SHIELDED	YES



NOTE
PRELIMINARY SPECIFICATIONS

SOURCE DRAWING - FOR REFERENCE ONLY

REV	DESCRIPTION	BY	DATE	ECO NO.
P1		IK	09/05/00	

RELATED DOCUMENTS
1.
2.
3.
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3RD ANGLE PROJECTION

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MATERIAL: STAINLESS STEEL

FINISH:

TOLERANCES UNLESS OTHERWISE SPECIFIED
.X ±0.02
.XX ±0.01
.XXX ±0.005
ANGLES ±1°
ALL MILLIMETER DIMENSIONS ARE REFERENCE ONLY

DRFT: IK
DATE: 09/05/00
DSGN:
SCALE: 1=2.0

UNIT OF MEASUREMENT
INCH [MILLIMETER]
DO NOT SCALE THIS DRAWING

DESCRIPTION: Bi 1–HS540–AP6X

IDENTIFICATION NO.: S4604001
REV: P1

FILE: S4604001
SHEET 1 OF 1

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