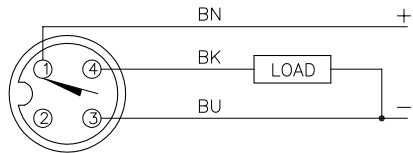
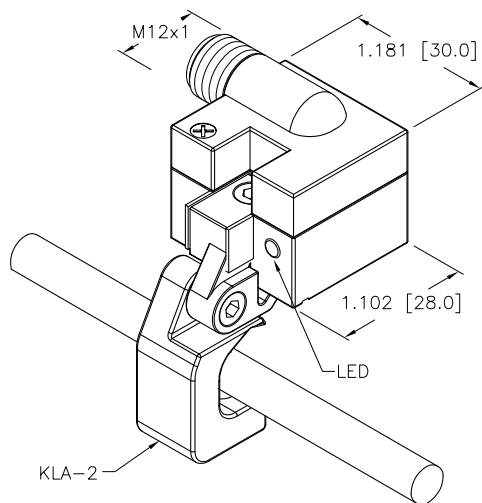


WIRING DIAGRAM



OUTPUT: AP6X

SHORT-CIRCUIT AND OVERLOAD PROTECTED



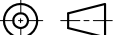
SPECIFICATIONS

OPERATING VOLTAGE	10–30 VDC
RIPPLE	≤ 10%
DIFFERENTIAL TRAVEL (HYSTERESIS)	≤ 1 mm
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤ 2.3 V at 200 mA
OUTPUT FUNCTION	NORMALLY OPEN 3-WIRE DC SELF-CONTAINED
TTL COMPATIBLE	NO
SHORT-CIRCUIT PROTECTED	YES
TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥ 220 mA
CONTINUOUS LOAD CURRENT	≤ 200 mA
OFF-STATE (LEAKAGE) CURRENT	< 10μ A
NO-LOAD CURRENT	≤ 2.0 mA
TIME DELAY BEFORE AVAILABILITY	≤ 5 ms
POWER-ON EFFECT PROTECTION	INCORPORATED
REVERSE POLARITY PROTECTION	INCORPORATED
WIRE-BREAK PROTECTION	INCORPORATED
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	RED: OUTPUT ENERGIZED
SWITCHING FREQUENCY	1000 Hz
REPEATABILITY	≤ 0.1 mm (CONSTANT TEMPERATURE AND VOLTAGE)
SWITCHING POINT DRIFT	≤ 0.1 mm
MAXIMUM APPROACH VELOCITY	10 m/second
MAGNETIC ACTUATION STRENGTH	20–350 GAUSS (2–35 mT)

SOURCE DRAWING - FOR REFERENCE ONLY

NOTES:

1. MOUNTING CLAMP KLA-2 INCLUDED WITH SENSOR.

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	MATERIAL PA 12-GF30 PLASTIC		DRFT RDS	DATE 08/11/10			DESCRIPTION BIM-AKT-AP6X-H1141 W/KLA-2
	FINISH		DSGN	SCALE NONE			
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A	DRAWING RELEASE	RDS	08/11/10	
REV	DESCRIPTION	BY	DATE	ECO NO.