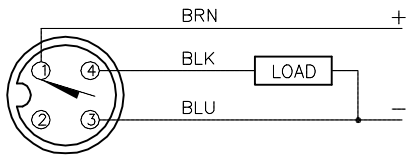


WIRING DIAGRAM



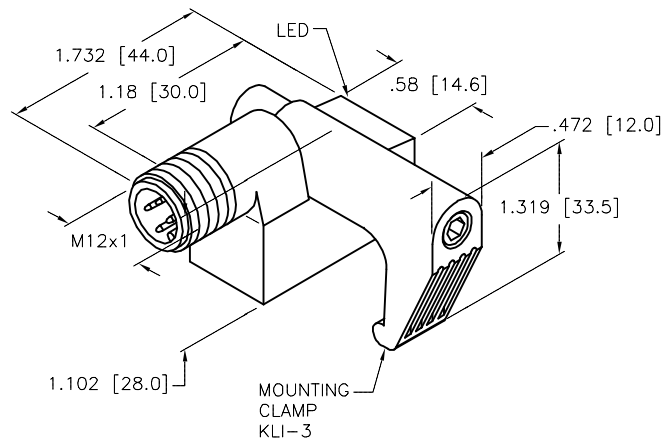
OUTPUT: AP6X

SHORT-CIRCUIT AND OVERLOAD PROTECTED

BOTTOM VIEW



ACTIVE
SENSING
FACE



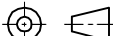
SPECIFICATIONS

OPERATING VOLTAGE	10–30 VDC
RIPPLE	≤ 10%
HYSTERESIS (DIFFERENTIAL TRAVEL)	≤ 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
LEAKAGE (OFF-STATE) CURRENT	≤ 10μ A
NO-LOAD CURRENT	≤ 2.0 mA
TIME DELAY BEFORE AVAILABILITY	≤ 5 ms
POWER-ON EFFECT PROTECTION	INCORPORATED
POLARITY INVERSION 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)
TEMPERATURE 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 KLI-3 INCLUDED WITH SENSOR.

RELATED DOCUMENTS		3RD ANGLE PROJECTION		THIS DRAWING IS CONFIDENTIAL AND THE PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED. TURCK INC <i>High Technology Sensors and Automation Controls</i> 3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-0708 fax turck.com					
1.									
2.									
3.									
4.									
MATERIAL DIE CAST ZINC		DRFT GMB		DATE 4/8/91		DESCRIPTION BIM-IKE-AP6X-H1141 W/KLI-3			
		DSGN		SCALE NONE					
FINISH		ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY		UNIT OF MEASUREMENT INCH [MILLIMETER]		IDENTIFICATION NO. S4621690		REV C	
		CONTACT TURCK FOR MORE INFORMATION		DO NOT SCALE THIS DRAWING		FILE: S4621690		SHEET 1 OF 1	

C	UPDATE WIRING DIAGRAM	RDS	04/30/09	26189
REV	DESCRIPTION	BY	DATE	ECO NO.