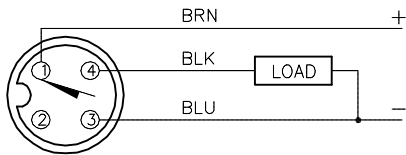


WIRING DIAGRAM



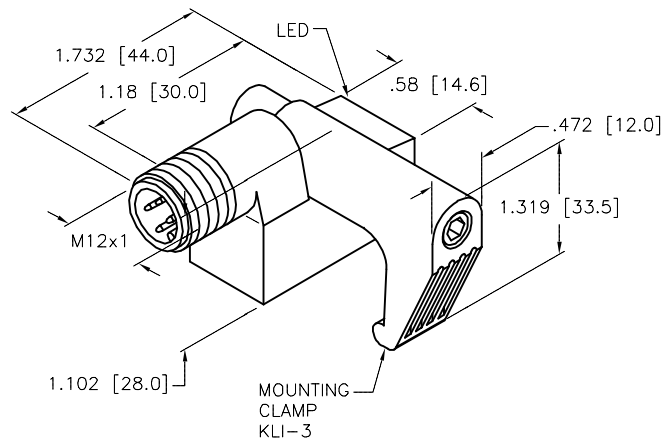
OUTPUT: AP6X

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 High Technology Sensors and Automation Controls		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		ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY		DRFT GMB		DATE 4/8/91		DESCRIPTION BIM-IKE-AP6X-H1141 W/KLI-3	
FINISH				DSGN		SCALE NONE			
		CONTACT TURCK FOR MORE INFORMATION		UNIT OF MEASUREMENT INCH [MILLIMETER]		IDENTIFICATION NO. S4621690		REV C	
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.