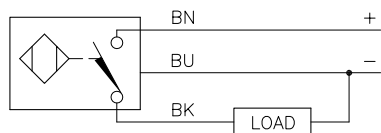
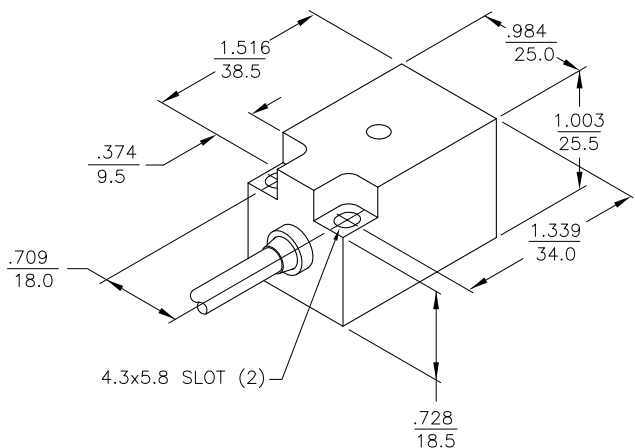


WIRING DIAGRAM



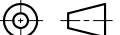
OUTPUT: AP6X

SHORT-CIRCUIT AND OVERLOAD PROTECTED



SPECIFICATIONS

OPERATING VOLTAGE	10–30 VDC
RIPPLE	≤ 10%
HYSTERESIS	3–15% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤ 1.8 V at 200 mA
OUTPUT FUNCTION	NORMALLY OPEN 3-WIRE DC SELF-CONTAINED
SHORT-CIRCUIT PROTECTED	YES
TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥ 220 mA
CONTINUOUS LOAD CURRENT	≤ 200 mA
OFF-STATE (LEAKAGE) CURRENT	≤ 0.1 mA
NO-LOAD CURRENT	≤ 15 mA
TIME DELAY BEFORE AVAILABILITY	≤ 8 ms
POWER-ON EFFECT	PER IEC 947-5-2
REVERSE POLARITY PROTECTION	INCORPORATED
WIRE-BREAK PROTECTION	INCORPORATED
PROTECTION AGAINST TRANSIENTS	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)
REPEATABILITY	≤ 2% OF RATED OPERATING DISTANCE
LED FUNCTION	YELLOW = OUTPUT ENERGIZED
TEMPERATURE DRIFT	±10%
RATED OPERATING DISTANCE	10 mm
SWITCHING FREQUENCY	500 Hz
EMBEDDABLE (SHIELDED)	NO
WELD FIELD IMMUNE	YES

RELATED DOCUMENTS 1. 2. 3. 4.	3RD ANGLE PROJECTION	THIS DRAWING IS 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	
							
MATERIAL PBT-GF30-VO PLASTIC HOUSING	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY CONTACT TURCK FOR MORE INFORMATION	DRFT CBM	DATE 01/12/00	DESCRIPTION Ni10-Q25-AP6X			
DSGN		SCALE NONE					
FINISH		UNIT OF MEASUREMENT INCH [MILLIMETER]			IDENTIFICATION NO. M4652225		REV B
		DO NOT SCALE THIS DRAWING					

B	ADD SLOT CALLOUT, HEIGHT TO SLOT	CBM	04/18/00	B3564
REV	DESCRIPTION	BY	DATE	ECO NO.