



ECO NO.

SPECIFICATIONS			
OPERATING VOLTAGE	10-65 VDC		
RIPPLE	≤10%		
DIFFERENTIAL TRAVEL (HYSTERESIS)	1-15% (5% TYPICAL)		
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤5 V at 100 mA		
OUTPUT FUNCTION	NORMALLY OPEN 2-WIRE DC SELF-CONTAINED		
TTL COMPATIBLE	NO		
SHORT-CIRCUIT PROTECTED	YES		
TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥120 mA		
CONTINUOUS LOAD CURRENT	≤100 mA		
LEAKAGE (OFF-STATE) CURRENT	≤ 0.6 mA		
NO-LOAD CURRENT	5.5-9.5 mA		
TIME DELAY BEFORE AVAILABILITY	≤3 ms		
POWER-ON EFFECT PROTECTION	Per IEC 60947-5-2		
POLARITY INVERSION PROTECTION	INCORPORATED		
WIRE-BREAK PROTECTION	INCORPORATED		
PROTECTION AGAINST TRANSIENTS	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		
SENSING RANGE	3 mm = .118" (NOMINAL)		
SWITCHING FREQUENCY	1000 Hz		
REPEATABILITY	≤2% of NOMINAL SENSING RANGE		
EMBEDDABLE (SHIELDED)	YES		

## **SOURCE DRAWING - FOR REFERENCE ONLY**

	NOTES: 1. MATERIALS:  BARREL - PTFE-COATED BRASS  LOCKNUTS - PTFE-COATED  LOCKWASHERS - SILVER CHROMATED STEEL  END CAP - TPE-0 ELASTOMER  SENSING FACE - PA12-GF30 PLASTIC  2. ALL DIMENSIONAL TOLERENCES ±1.0mm.			
Α	DRAWING RELEASE	ER	12/14/20	
RFV	DESCRIPTION	RY	DATE	

RELATED DOCUMENTS	3RD ANGLE PROJECTION	
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3. 4.		٧
MATERIAI		_
WATERIAL		ľ
SFF NOTES	ALL DIMENSIONS DISPLAYED ON THIS	1
	DRAWING ARE FOR REFERENCE ONLY	Γ
FINISH	CONTACT TURCK	
SEE NOTES	FOR MORE INFORMATION	

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REV

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DRFT ER DATE 12/14/20 DESCRIPTION APVD A.F. SCALE NONE

BI3-GT12K-AD4X

UNIT OF MEASUREMENT

INCH [ MILLIMETER ]

DO NOT SCALE THIS DRAWING

IDENTIFICATION NO. 4405083

FILE: 4405083 SHEET 1 OF 1