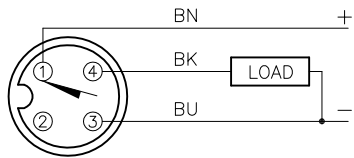
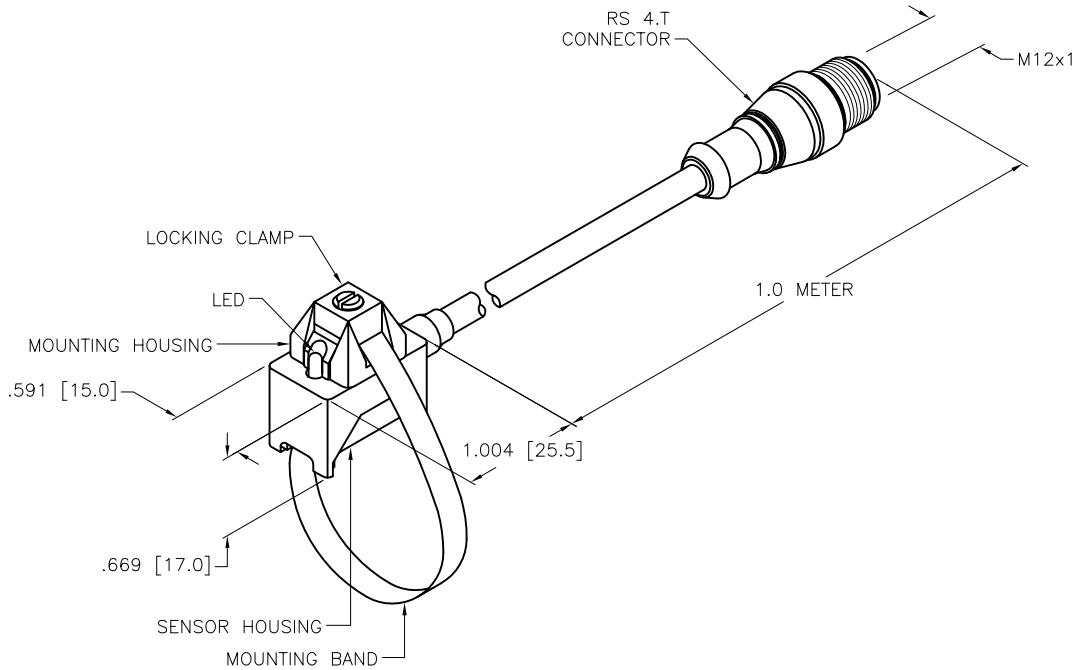


WIRING DIAGRAM



OUTPUT: AP6X

SHORT-CIRCUIT AND OVERLOAD PROTECTED



SPECIFICATIONS

OPERATING VOLTAGE	10-30 VDC (SHORT-CIRCUIT PROTECTED)
RIPPLE	≤ 10%
HYSTERESIS	≤ 1 mm
MAX. VOLTAGE DROP	≤ 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
RESIDUAL 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)
TEMPERATURE DRIFT	≤ 0.1 mm
MAXIMUM APPROACH VELOCITY	10 m/second
MAGNETIC ACTUATION STRENGTH	20-350 GAUSS (2-35 mT)

NOTES:

1. FOR CYLINDERS WITH DIAMETERS UP TO 25 mm USE MOUNTING BAND KST-SB170; FOR DIAMETERS TO 80 mm USE KST-SB335.

2. PART	MATERIAL
SENSOR HOUSING	[PA 12-GF30]
MOUNTING HOUSING	[DIE-CAST ZINC]
LOCKING CLAMP	[DIE-CAST ZINC]
MOUNTING BAND	[STAINLESS STEEL]

SOURCE DRAWING - FOR REFERENCE ONLY

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	MATERIAL SEE NOTE 2	DRFT RDS	DATE 03/26/12	DESCRIPTION BIM-KST-AP6X-1M-RS 4T W/CLAMP	
FINISH	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY	APVD J.M.	SCALE 1=1.3	IDENTIFICATION NO. M4674092	
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A	DRAWING RELEASE	RDS	03/26/12	
REV	DESCRIPTION	BY	DATE	ECO NO.