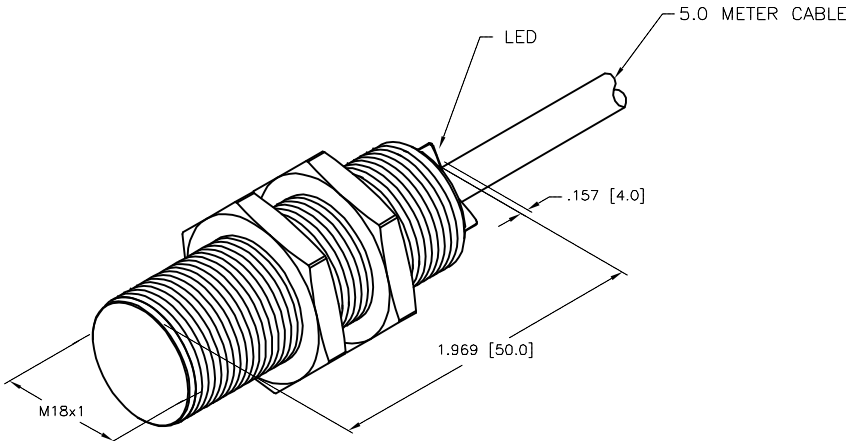
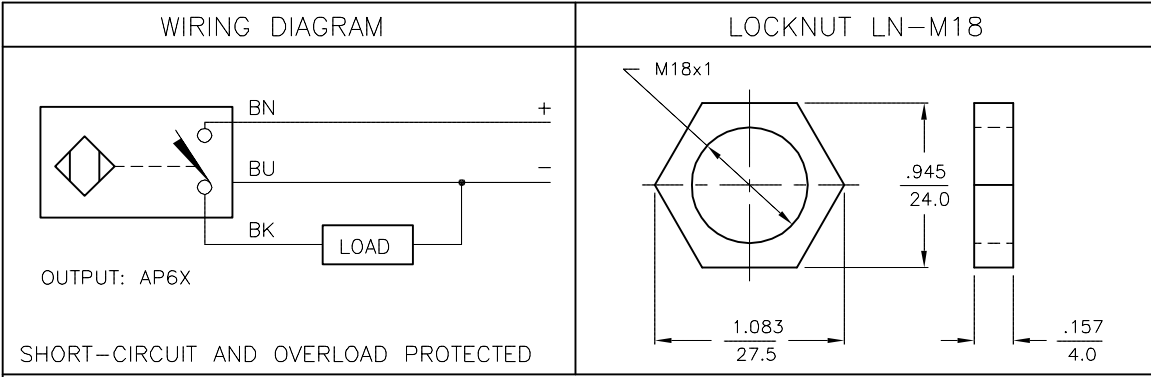




SPECIFICATIONS	
RATED OPERATING DISTANCE	8mm [.315"]
MOUNTING MODE	FLUSH
HYSTERESIS	3-15%
MIN. REPEAT ACCURACY	≤ 2%
TEMPERATURE DRIFT	≤ ± 10%
OPERATING TEMPERATURE	-40°C to +70°C (-40°F to +158°F)
RATED OPERATIONAL VOLTAGE	10-30 VDC
RESIDUAL RIPPLE	≤ ± 10%
RATED OPERATIONAL CURRENT	≤ 200 mA
NO-LOAD CURRENT	≤ 15 mA
RESIDUAL CURRENT	≤ 0.1 mA
RATED INSULATION VOLTAGE	≤ 0.5 kV
SHORT-CIRCUIT PROTECTED	YES
MAX. VOLTAGE DROP	≤ 1.8 V
ELECTROSTATIC DISCHARGES	PER IEC 60947-5-2 IN ACCORDANCE TO 61000-4-2
RADIATED RADIO-FREQUENCY ELECTROMAGNETIC FIELDS	PER IEC 60947-5-2 IN ACCORDANCE TO 61000-4-3
TRANSIENT PROTECTION	PER EN60947-5-2
REVERSE POLARITY PROTECTION	INCORPORATED
WIRE-BREAK PROTECTION	INCORPORATED
OUTPUT FUNCTION	3-WIRE, NORMALLY OPEN, PNP
MAX. SWITCHING FREQUENCY	≤ 0.5 kHz
HOUSING MATERIAL	METAL, BRASS, CHROME-PLATED
ACTIVE FACE	PLASTIC, PA12-GF20
END CAP MATERIAL	PLASTIC, EPTR
CABLE	ø5.3, PVC
SHOCK RESISTANCE	30 g, 11 ms
VIBRATION RESISTANCE	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
DEGREE OF PROTECTION	IP67
SWITCHING STATUS INDICATION	LED, YELLOW

NOTES:

1. "/S1684" DESIGNATES SPECIAL CABLE:

CABLE SPECS:
22 AWG/3 RU AWM 105C 600V GRAY PVC CABLE 24GA DRAIN, ALUMINUM FOIL SHIELD.

SENSOR RATED TO -40 C.

RELATED DOCUMENTS

1.
2.
3.
4.

MATERIAL

SEE NOTES

FINISH

SEE NOTES

3RD ANGLE PROJECTION

ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY

CONTACT TURCK FOR MORE INFORMATION

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DRFT RDS
APVD A.F.

DATE 01/22/13
SCALE 1=1.0

UNIT OF MEASUREMENT
INCH [MILLIMETER]

DO NOT SCALE THIS DRAWING

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DESCRIPTION
BI 8-G18-AP6X/S1684 5M

IDENTIFICATION NO.
T4615088-000

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FILE: T4615088-000

SHEET 1 OF 1