

WIRING DIAGRAM

OUTPUT: AP6X

SHORT-CIRCUIT AND OVERLOAD PROTECTED

LOCKNUT LN-M12

Top View Dimensions:
Hexagon side: .768 (19.5)
Hexagon height: .669 (17.0)
Inner hole diameter: .157 (4.0)

Side View Dimensions:
Thread: M12x1
Height: .157 (4.0)

SPECIFICATIONS	
RATED OPERATING DISTANCE	4mm [.158]
MOUNTING MODE	FLUSH
TEMPERATURE DRIFT	≤±10%
HYSTERESIS	3–15%
MIN. REPEAT ACCURACY	≤ 2%
OPERATING TEMPERATURE	–25°C to +75°C (–13°F to +167°F)
RATED OPERATIONAL VOLTAGE	10–30 VDC
MAX. RIPPLE	≤ 10%
RATED OPERATIONAL CURRENT	≤ 200 mA
NO-LOAD CURRENT	≤ 15 mA
MAX. OFF-STATE CURRENT	≤ 0.1 mA
RATED INSULATION VOLTAGE	≤ 0.5 kV
SHORT-CIRCUIT PROTECTION	YES
MAX. VOLTAGE DROP	≤ 1.8 V
WIRE BREAKAGE PROTECTION	INCORPORATED
REVERSE POLARITY PROTECTION	INCORPORATED
OUTPUT FUNCTION	3-WIRE, NORMALLY OPEN, PNP
MAX. SWITCHING FREQUENCY	≤ 2 kHz
HOUSING MATERIAL	BRASS, CHROME PLATED
ACTIVE FACE	PLASTIC, LCP-GF30
END CAP	PLASTIC, EPTR
CABLE	ø5.2, LifYY, PVC, 2 METER LENGTH
VIBRATION RESISTANCE	55 Hz (IN ALL 3 PLANES)
SHOCK RESISTANCE	30 g, 11 ms
DEGREE OF PROTECTION	IP 68
SWITCHING STATUS INDICATION	LED, YELLOW

3D View Dimensions:
Thread: M12x1
Total length: 1.969 [50.0]
Length to LED: 1.772 [45.0]
LED length: .158 [4.0]

SOURCE DRAWING - FOR REFERENCE ONLY

RELATED DOCUMENTS

1.
2.
3.
4.

3RD ANGLE PROJECTION

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DRFT RDS

DATE 05/08/06

DSGN TB

SCALE 1=1.0

UNIT OF MEASUREMENT

INCH [MILLIMETER]

DO NOT SCALE THIS DRAWING

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TURCK INC
High Technology Sensors and Automation Controls

DESCRIPTION

BI 4U-M12-AP6X

IDENTIFICATION NO.

M1634803

REV

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DRAWING RELEASE

RDS

05/08/06

REV

DESCRIPTION

BY

DATE

ECO NO.