

WIRING DIAGRAM

OUTPUT: AZ3X

WARNING: NO SHORT-CIRCUIT PROTECTION
ALWAYS WIRE A LOAD IN SERIES WITH THE SENSOR.

LOCKNUT LN-P18

M18x1

.945
24.0

1.063
27.0

.315
8.0

SPECIFICATIONS

RATED OPERATING DISTANCE	5mm = .197"
MOUNTING MODE	FLUSH
TEMPERATURE DRIFT	≤ ± 10% ≤ ± 20%, ≥ ± 70 °C
HYSTERESIS (SWITCHING DISTANCE)	3-15%
MIN. REPEAT ACCURACY	≤ 2%
OPERATING TEMPERATURE	-25°C to +70°C (-13°F to +158°F)
RATED OPERATIONAL VOLTAGE	20-250 VAC/10-300 VDC
RATED OPERATIONAL CURRENT (AC/DC)	≤ 400 mA/≤ 300 mA
MAINS FREQUENCY	50-60 Hz
RESIDUAL CURRENT	≤ 1.7 mA
RATED INSULATION VOLTAGE	≤ 1.5 kV
SURGE CURRENT	≤ 8.0 A (≤ 10 ms MAX. 5 Hz)
MAX. VOLTAGE DROP	≤ 6.0 V
OUTPUT FUNCTION	NORMALLY OPEN, 2-WIRE
SMALLEST OPERATING CURRENT	≥ 3.0 mA
MAX. SWITCHING FREQUENCY	≤ 0.02 kHz
HOUSING MATERIAL	PLASTIC, PA12-GF20
ACTIVE FACE MATERIAL	PLASTIC, PA12-GF20
END CAP MATERIAL	PLASTIC, EPTR
CABLE	ø5.2, PVC
SHOCK	30 g, 11 ms
VIBRATION	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
DEGREE OF PROTECTION	IP67
SWITCHING STATUS INDICATION	LED: RED

2.0 METER CABLE

LED

.157 [4.0]

2.362 [60.0]

2.756 [70.0]

M18x1

SOURCE DRAWING - FOR REFERENCE ONLY

RELATED DOCUMENTS

1.
2.
3.
4.

3RD ANGLE PROJECTION

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DRFT GMB

DATE 9/19/88

APVD

SCALE 1=1.0

UNIT OF MEASUREMENT

INCH [MILLIMETER]

DO NOT SCALE THIS DRAWING

3000 CAMPUS DRIVE
MINNEAPOLIS, MN 55441
1-800-544-7769
(763) 553-7300
(763) 553-0708 fax
www.turck.us

TURCK

DESCRIPTION

BI5-S18-AZ3X 60MM

IDENTIFICATION NO.

4350499

REV

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CONTACT TURCK FOR MORE INFORMATION

I	UPDATE DESCRIPTION	RDS	06/20/19	500000000149
REV	DESCRIPTION	BY	DATE	ECO NO.