

WIRING DIAGRAMS

OUTPUT: AZ3X

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

LOCKNUT LN-P30

M30x1.5

1.575 (40.0)

1.417 (36.0)

.394 (10.0)

LED

2.0 METER CABLE

.157 [4.0]

1.969 [50.0]

2.36 [60.0]

M30x1.5

SPECIFICATIONS

RATED OPERATING DISTANCE	10mm = .394"
MOUNTING MODE	FLUSH
REPEAT ACCURACY	≤ 2%
TEMPERATURE DRIFT	≤ ± 10%
HYSTERESIS	3-15%
AMBIENT TEMPERATURE	-25°C to +70°C (-13°F to +158°F)
OPERATING VOLTAGE (VAC/VDC)	20-250 VAC/10-300 VDC
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 mA (≤ 10 ms Max. 5 Hz)
MAX. VOLTAGE DROP	≤ 6.0 V
OUTPUT FUNCTION	2-WIRE, NORMALLY OPEN
SMALLEST OPERATING CURRENT	≥ 3 mA
SWITCHING FREQUENCY	≤ 0.02 kHz
HOUSING MATERIAL	PLASTIC, PA12-GF20
ACTIVE FACE MATERIAL	PLASTIC, PA12-GF30
END CAP MATERIAL	PLASTIC, EPTR
CABLE	ø5.2, Lifyy, PVC,
VIBRATION RESISTANCE	55 Hz (IN ALL 3 PLANES)
SHOCK RESISTANCE	30 g, 11 ms
PROTECTION DEGREE	IP67
SWITCHING STATUS INDICATION	LED; RED

RELATED DOCUMENTS	3RD ANGLE PROJECTION	THIS DRAWING IS CONFIDENTIAL AND THE PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED.		3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-0708 fax www.turck.us	
1. 2. 3. 4.		DRFT	GMB	DATE	10/31/88
MATERIAL	SEE SPECIFICATIONS	APVD	-	SCALE	1=1.3
FINISH	SEE SPECIFICATIONS	UNIT OF MEASUREMENT		DESCRIPTION	
		INCH [MILLIMETER]		Bi10-S30-AZ3X	
		CONTACT TURCK FOR MORE INFORMATION		IDENTIFICATION NO.	
				T4355400	
				REV	
				E	
DO NOT SCALE THIS DRAWING		FILE: T4355400		SHEET 1 OF 1	

E	UPDATED LED COLOR PER ECO	TV	07/13/17	61295
REV	DESCRIPTION	BY	DATE	ECO NO.