

WIRING DIAGRAM

OUTPUT: Y1X

LOCKNUT LN-P30

M30x1.5

1.417
36.0

1.575
40.0

.394
10.0

LED

0.28 METERS

POTENTIOMETER

.118 [3.0]

1.968 [50.0]

2.362 [60.0]

M30x1.5

RSV 4.21T CONNECTOR

M12x1

SPECIFICATIONS

RATED OPERATING DISTANCE	10mm = .394" (FLUSH MOUNTED)
RATED OPERATING DISTANCE	15mm = .591" (NON-FLUSH MOUNTED)
REPEATABILITY	≤ 2%
TEMPERATURE DRIFT	≤ ± 20%
HYSTERESIS	1-20%
AMBIENT TEMPERATURE	-25°C to +70°C (-13°F to +158°F)
OPERATING VOLTAGE	8.2 VDC
NON-ACTUATED CURRENT CONSUMPTION	≤ 1.2 mA
ACTUATED CURRENT CONSUMPTION	≥ 2.1 mA
SWITCHING FREQUENCY	≤ 0.1 kHz
OUTPUT FUNCTION	2-WIRE, NAMUR
APPROVAL ACCORDING TO:	KEMA 02 ATEX 1090X
INTERNAL INDUCTANCE (L _i)/CAPACITANCE (C _i)	150 nF/150 μH
MARKING ON THE DEVICE	Ex II 2 G Ex ia IIC T6/ II 1 D Ex ia IIC T 115°C (max. U _i = 20 V, I _i = 20 mA, P = 200 mW)
HOUSING MATERIAL	PLASTIC, PA12-GF30
ACTIVE FACE MATERIAL	PLASTIC, PA12-GF30
CABLE	ø5.2, 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

RELATED DOCUMENTS

1.
2.
3.
4.

MATERIAL
SEE
SPECS

FINISH

3RD ANGLE
PROJECTION

ALL DIMENSIONS
DISPLAYED ON THIS
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DRFT CBM
APVD

UNIT OF MEASUREMENT
INCH [MILLIMETER]

DO NOT SCALE THIS DRAWING

3000 CAMPUS DRIVE
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DESCRIPTION
BC10-S30-Y1X-0.28M-RSV4.21T

IDENTIFICATION NO.
2010095

REV
B

B	UPDATE ID NUMBER PER HARMONIZATION PROJECT	CBM	11/06/17	
REV	DESCRIPTION	BY	DATE	ECO NO.