

WIRING DIAGRAM

OUTPUT: YOX

LOCKNUT LN-P18

M18x1

1.063
27.0

.945
24.0

.315
8.0

LED

M12x1

.394
10.0

2.087
53.0

1.181
30.0

Specifications Table

SPECIFICATIONS	
OPERATING VOLTAGE	5-30 VDC
NOMINAL VOLTAGE FOR INTRINSICALLY-SAFE SENSORS	8.2 VDC
OUTPUT FUNCTION	RESISTANCE CHANGE, REQUIRES REMOTE AMPLIFIER
RESISTANCE CHANGE FROM NONACTIVATED TO ACTIVATED CONDITION	1.0 kΩ to >8.0 kΩ
RESULTING CURRENT CHANGE	≥2.2 mA to ≤1.0 mA
RECOMMENDED SWITCHING POINT FOR REMOTE AMPLIFIER	1.55 mA
TIME DELAY BEFORE AVAILABILITY	≤ 1 ms
POWER-ON EFFECT PROTECTION	REALIZED IN AMPLIFIER
REVERSE POLARITY PROTECTION	INCORPORATED
WIRE-BREAK PROTECTION	REALIZED IN AMPLIFIER
PROTECTION AGAINST TRANSIENTS	REALIZED IN AMPLIFIER
OPERATING TEMPERATURE	-25°C to +70°C (-13°F to +158°F)
ENCLOSURE	MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67
SHOCK	30 g, 11 ms
VIBRATION	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
LED FUNCTION	RED: OUTPUT ENERGIZED
RATED OPERATING DISTANCE(Sn)	5 mm = .179" (NOMINAL)
SWITCHING FREQUENCY	5000 Hz
REPEATABILITY	≤2% of RATED OPERATING DISTANCE
EMBEDDABLE (SHIELDED)	YES

RELATED DOCUMENTS

1.
2.
3.
4.

MATERIAL
PA 12-GF30
PLASTIC

FINISH

3RD ANGLE PROJECTION

ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY

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DRFT JMS
DSGN
UNIT OF MEASUREMENT
INCH [MILLIMETER]
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DATE 1/17/96
SCALE NONE

DESCRIPTION
Bi5-S18-YOX-H1141

IDENTIFICATION NO.
T4036095

REV
B

B UPDATE TO CURRENT TITLE BLOCK

RDS 01/21/03 10154

REV DESCRIPTION

BY DATE ECO NO.