

WIRING DIAGRAM

BN (1) +

BK (4) LOAD

BU (3) -

OUTPUT: AP6X

SHORT-CIRCUIT AND OVERLOAD PROTECTED

LOCKNUT LN-SS12

M12x1

.945
24.0

1.083
27.5

.157
4.0

| SPECIFICATIONS | |
|------------------------------|----------------------------------|
| RATED OPERATING DISTANCE | 2 mm = .079" |
| MOUNTING MODE | FLUSH |
| TEMPERATURE DRIFT | ≤±10% |
| HYSTERESIS | 3-15% |
| MIN. REPEAT ACCURACY | ≤ 2% |
| OPERATING TEMPERATURE | -25°C to +70°C (-13°F to +158°F) |
| RATED OPERATIONAL VOLTAGE | 10-30 VDC |
| RESIDUAL RIPPLE | ≤ 10% |
| DC RATED OPERATIONAL CURRENT | ≤ 200 mA |
| NO-LOAD CURRENT | ≤ 15 mA |
| RESIDUAL 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 | ≤ 2.0 kHz |
| HOUSING MATERIAL | BRASS/CHROME-PLATED |
| ACTIVE FACE | PLASTIC, PA12-GF30 |
| CONNECTION | M8x1 |
| VIBRATION RESISTANCE | 55 Hz (IN ALL 3 PLANES) |
| SHOCK RESISTANCE | 30 g, 11 ms |
| DEGREE OF PROTECTION | IP 67 |
| SWITCHING STATUS INDICATION | LED: YELLOW |

SOURCE DRAWING - FOR REFERENCE ONLY

RELATED DOCUMENTS

1.
2.
3.
4.

3RD ANGLE PROJECTION

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MATERIAL

SEE NOTES

FINISH

SEE NOTES

DRFT RDS
APVD J.M.

DATE 01/16/12
SCALE 1=1.0

UNIT OF MEASUREMENT
INCH [MILLIMETER]

DO NOT SCALE THIS DRAWING

DESCRIPTION

BI 2-G12-AP6X-V1131

IDENTIFICATION NO.
T4606597

REV
A

A DRAWING RELEASE

RDS 01/18/12

REV DESCRIPTION

BY DATE ECO NO.

FILE: T4606597

SHEET 1 OF 1