

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

THIS DRAWING IS CONFIDENTIAL AND THE PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED.

DRFT RDS

DATE 01/16/12

APVD J.M.

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

DESCRIPTION

BI2-G12-AP6X-V1131

IDENTIFICATION NO.

4606597

REV

B

B UPDATE ID NUMBER PER HARMONIZATION PROJECT

CBM 11/30/17

REV DESCRIPTION

BY DATE ECO NO.

SEE NOTES

SEE NOTES

CONTACT TURCK FOR MORE INFORMATION

SHEET 1 OF 1