

WIRING DIAGRAM

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             | SST                              |
| ACTIVE FACE                  | PLASTIC, PA12-GF30               |
| CABLE                        | ø5.13, PVC, ITC                  |
| VIBRATION RESISTANCE         | 55 Hz (IN ALL 3 PLANES)          |
| SHOCK RESISTANCE             | 30 g, 11 ms                      |
| DEGREE OF PROTECTION         | IP 67                            |
| SWITCHING STATUS INDICATION  | LED: YELLOW                      |

NOTES:

1. "/S1751" DESIGNATES SENSORS WITH FM APPROVAL FOR CLASS 1 DIV 2 USE. APPROVAL MUST BE LASER ENGRAVED OR PAD PRINTED ON SENSOR.

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

06/21/11

APVD

SCALE

1=1.0

UNIT OF MEASUREMENT

INCH [ MILLIMETER ]

DO NOT SCALE THIS DRAWING

MATERIAL

SEE NOTES

FINISH

SEE NOTES

ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY

CONTACT TURCK FOR MORE INFORMATION

3000 CAMPUS DRIVE  
MINNEAPOLIS, MN 55441  
1-800-544-7769  
(763) 553-7300  
(763) 553-0708 fax  
www.turck.us

TURCK

BI4-EG12-AP6X/S1751

IDENTIFICATION NO.

1690798

REV

C

FILE: 1690798

SHEET 1 OF 1

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