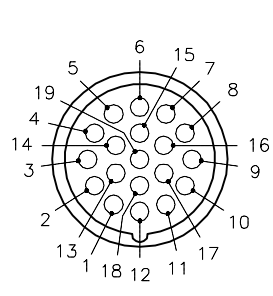


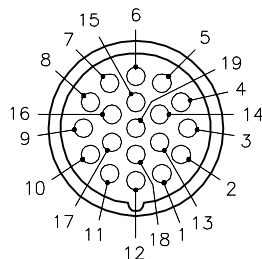
## MALE END VIEW



- 1 = WHITE/BLACK  
 2 = BLACK/WHITE  
 3 = WHITE/GREEN  
 4 = GREEN/WHITE  
 5 = WHITE/RED  
 6 = DRAIN  
 7 = RED/WHITE  
 8 = WHITE/ORANGE  
 9 = ORANGE/WHITE  
 10 = WHITE/BLUE  
 11 = BLUE/WHITE  
 12 = GREEN/YELLOW  
 13 = WHITE/BROWN  
 14 = BROWN/WHITE  
 15 = WHITE/YELLOW  
 16 = YELLOW/WHITE  
 17 = WHITE/VIOLET  
 18 = VIOLET/WHITE  
 19 = N/C

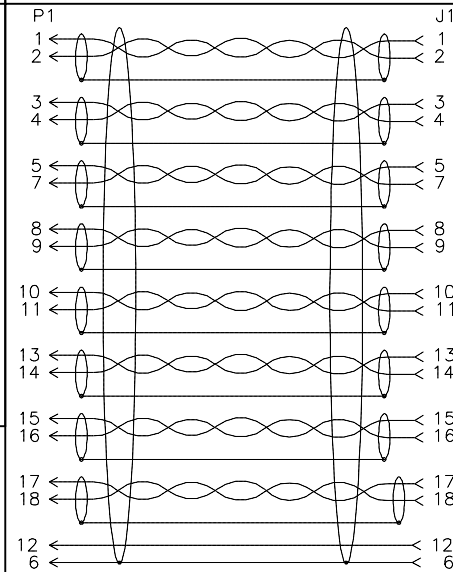
M23 connector

## FEMALE END VIEW



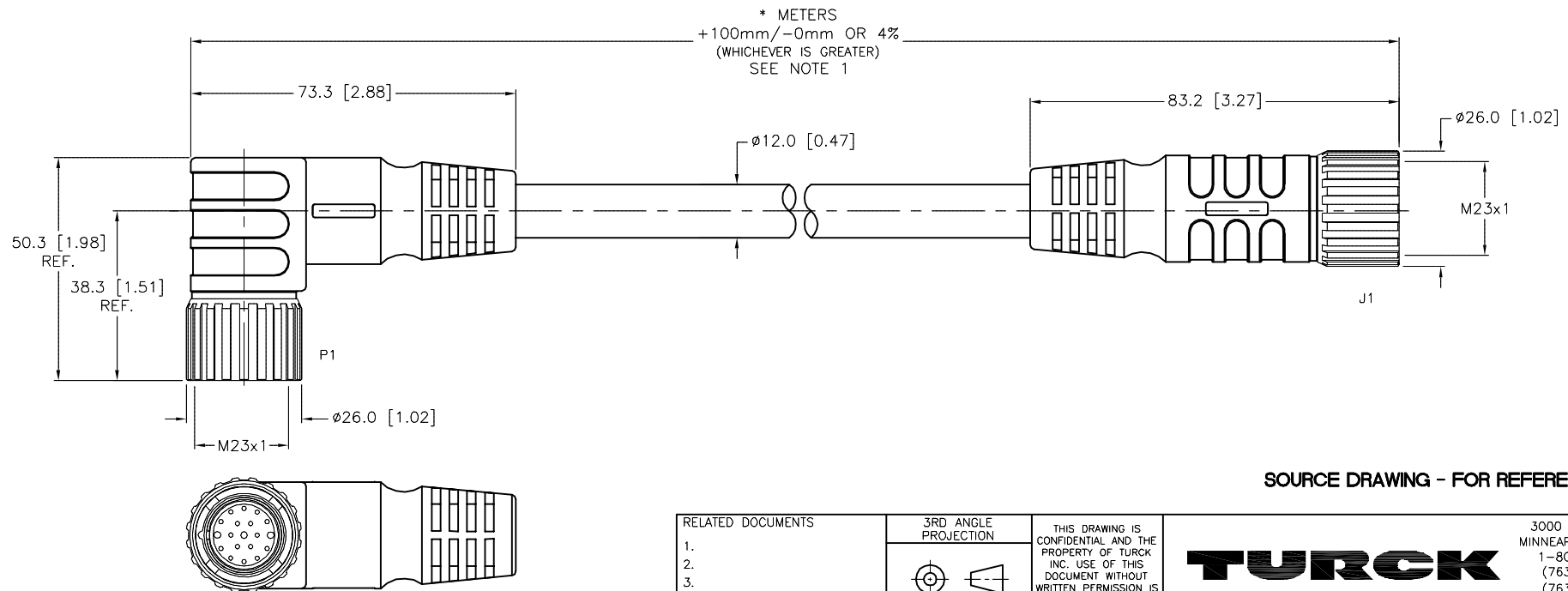
M23 connector

## WIRING DIAGRAM



## SPECIFICATIONS

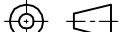
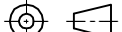
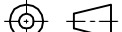
|                               |                                                          |
|-------------------------------|----------------------------------------------------------|
| CONTACT CARRIER MATERIAL      | NYLON or PBT                                             |
| MOLDED HEAD MATERIAL/PLATING  | TPU/BLACK                                                |
| CONTACT MATERIAL/PLATING      | BRASS/GOLD                                               |
| HOUSING MATERIAL/FINISH       | STAINLESS STEEL/PASSIVATED                               |
| RATED CURRENT [A]             | 9.0 A (PIN 12), 2.0 A (ALL OTHERS)                       |
| RATED VOLTAGE [V]             | 150 V                                                    |
| OUTER JACKET MATERIAL/COLOR   | PVC/BLUE                                                 |
| CONDUCTOR INSULATION MATERIAL | PVC                                                      |
| NUMBER OF CONDUCTORS [AWG]    | 16x22 AWG, 1x18 AWG GROUND                               |
| DRAIN/SHIELD                  | 9x22 AWG DRAINS/ALUM.-POLYESTER FOIL                     |
| CONDUCTOR ARRANGEMENT         | 8 SHIELDED TWISTED PAIR W/DRAIN, 1 GND, 1 DRAIN          |
| TEMPERATURE RANGE             | -40°C to +105°C (-40°F to +221°F)                        |
| PROTECTION CLASS              | MEETS IEC IP67                                           |
| CABLE RATINGS                 | UL: ITC/PLTC/AWM, 105C, 300V<br>CSA: CMG/AWM, 105C, 300V |



## NOTES:

1. "\*" INDICATES CABLE LENGTH IN METERS. CONTACT TURCK TO ORDER SPECIFIC LENGTHS.

## SOURCE DRAWING - FOR REFERENCE ONLY

|                                                           |                                                                          |                                                                                       |                                                                                                                                              |                                                                                       |                     |                 |                                                                                                                      |                    |              |  |
|-----------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------|-----------------|----------------------------------------------------------------------------------------------------------------------|--------------------|--------------|--|
| RELATED DOCUMENTS<br><br>1.<br><br>2.<br><br>3.<br><br>4. | 3RD ANGLE<br>PROJECTION                                                  |  | THIS DRAWING IS<br>CONFIDENTIAL AND THE<br>PROPERTY OF TURCK<br>INC. USE OF THIS<br>DOCUMENT WITHOUT<br>WRITTEN PERMISSION IS<br>PROHIBITED. |  |                     |                 | 3000 CAMPUS DRIVE<br>MINNEAPOLIS, MN 55441<br>1-800-544-7769<br>(763) 553-7300<br>(763) 553-0708 fax<br>www.turck.us |                    |              |  |
|                                                           |                                                                          |                                                                                       |                                                                                                                                              |                                                                                       |                     |                 |                                                                                                                      |                    |              |  |
| MATERIAL                                                  | ALL DIMENSIONS<br>DISPLAYED ON THIS<br>DRAWING ARE FOR<br>REFERENCE ONLY |  | DRFT                                                                                                                                         | RDS                                                                                   | DATE                | 10/13/09        | DESCRIPTION<br><br>P-CSWMV CKMV 19-977-*                                                                             |                    |              |  |
| APVD                                                      |                                                                          |                                                                                       |                                                                                                                                              | SCALE                                                                                 | 1=1.5               |                 |                                                                                                                      |                    |              |  |
| FINISH                                                    |                                                                          |                                                                                       | CONTACT TURCK<br>FOR MORE<br>INFORMATION                                                                                                     |  | UNIT OF MEASUREMENT |                 |                                                                                                                      | IDENTIFICATION NO. |              |  |
|                                                           | MILLIMETER [ INCH ]                                                      |                                                                                       |                                                                                                                                              |                                                                                       |                     |                 |                                                                                                                      |                    |              |  |
|                                                           |                                                                          |                                                                                       | DO NOT SCALE THIS DRAWING                                                                                                                    |                                                                                       |                     | FILE: 777011551 |                                                                                                                      |                    | SHEET 1 OF 1 |  |

|     |                                        |     |          |         |
|-----|----------------------------------------|-----|----------|---------|
| D   | DRAWING PROCESSED AS PART OF ECO 39876 | KMY | 09/13/12 | 39876   |
| REV | DESCRIPTION                            | BY  | DATE     | ECO NO. |