

| S1, S2 CONNECTORS     |                                                                                                             | TERMINAL BLOCK PLUGS                                                                                            | SPECIFICATIONS                     |                                                                       |
|-----------------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------|-----------------------------------------------------------------------|
| <br><b>mini fast.</b> | <p>1 = - VOLTAGE<br/>2 = + VOLTAGE<br/>3 = SHIELD<br/>4 = GROUND</p> <p><b>FOUNDATION™<br/>fieldbus</b></p> | <br><p>1 = - VOLTAGE<br/>2 = + VOLTAGE<br/>3 = SHIELD<br/>4 = GROUND</p> <p><b>FOUNDATION™<br/>fieldbus</b></p> | HOUSING MATERIAL/COLOR             | NYLON 66 - 33% GLASS FILLED/BLACK                                     |
|                       |                                                                                                             |                                                                                                                 | RECEPTACLE HOUSING MATERIAL/FINISH | STAINLESS STEEL/PASSIVATED                                            |
|                       |                                                                                                             |                                                                                                                 | CONTACT CARRIERS MATERIAL          | TPU                                                                   |
|                       |                                                                                                             |                                                                                                                 | CONTACT MATERIAL/PLATING           | BRASS/GOLD                                                            |
|                       |                                                                                                             |                                                                                                                 | OPERATING VOLTAGE                  | 300 V                                                                 |
|                       |                                                                                                             |                                                                                                                 | OPERATING CURRENT                  | 9.0 A PER CONDUCTOR                                                   |
|                       |                                                                                                             |                                                                                                                 | PROTECTION CLASS to DIN 40050      | IP 67 - ONLY WHEN ALL RECEPTACLES ARE COVERED WITH PLUGS OR CONNECTED |
|                       |                                                                                                             |                                                                                                                 | OPERATING TEMPERATURE              | -40°C to +70°C (-40°F to +158°F)                                      |

**TURCK**  
www.turck.com  
BCA-49/2S-M223/S3077  
Conduit Cover Adaptor  
**FOUNDATION™ fieldbus**

46.3 [1.82]  
1.5 [0.06]

**TURCK**  
GND SHIELD V+ V-  
4 3 2 1  
**FOUNDATION™ fieldbus**  
1 2 3 4  
V- V+ SHIELD GND  
**FOUNDATION™ fieldbus**  
CONDUIT COVER WITH OPTIONAL TERMINATOR RESISTOR

WIRING DIAGRAM  
S2  
1 2 3 4  
Y Y Y Y  
4 3 2 1  
S1  
4 3 2 1  
1 2 3 4

NOTES:

1. "2S" INDICATES SERIAL CONNECTIONS BETWEEN TERMINAL BLOCK AND EXTERNAL PORT.

2. "/S3077" DESIGNATES ADAPTOR PLATE FOR 3/4" FORM 7 TYPE CONDUIT BODIES ADDED TO THE STANDARD CONDUIT COVERS. (SEE PAGE 2)

**SOURCE DRAWING - FOR REFERENCE ONLY**

COVER SCREWS INCLUDED  
MARK 9 CONDUIT BODIES:  
8-32 SCREWS

TERMINAL PLUGS INCLUDED

|                   |                    |                                                                 |                                                                                                                            |                                                                                                                                                                                          |                                     |
|-------------------|--------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| RELATED DOCUMENTS |                    | 3RD ANGLE PROJECTION                                            | THIS DRAWING IS CONFIDENTIAL AND THE PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED. | <b>TURCK INC</b><br>High Technology Sensors and Automation Controls<br>3000 CAMPUS DRIVE<br>MINNEAPOLIS, MN 55441<br>1-800-544-7769<br>(763) 553-7300<br>(763) 553-0708 fax<br>turck.com |                                     |
| 1.                |                    |                                                                 |                                                                                                                            |                                                                                                                                                                                          |                                     |
| 2.                |                    |                                                                 |                                                                                                                            |                                                                                                                                                                                          |                                     |
| 3.                |                    |                                                                 |                                                                                                                            |                                                                                                                                                                                          |                                     |
| 4.                |                    |                                                                 |                                                                                                                            |                                                                                                                                                                                          |                                     |
| MATERIAL          |                    | ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY | DRFT KMY                                                                                                                   | DATE 06/27/12                                                                                                                                                                            | DESCRIPTION<br>BCA-49/2S-M223/S3077 |
| FINISH            |                    |                                                                 | APVD D.E.                                                                                                                  | SCALE 1=1.5                                                                                                                                                                              |                                     |
|                   |                    | CONTACT TURCK FOR MORE INFORMATION                              | UNIT OF MEASUREMENT<br><b>MILLIMETER [ INCH ]</b>                                                                          |                                                                                                                                                                                          | IDENTIFICATION NO.<br>U3-10880      |
|                   |                    |                                                                 | DO NOT SCALE THIS DRAWING                                                                                                  |                                                                                                                                                                                          |                                     |
| REV               | DESCRIPTION        | BY                                                              | DATE                                                                                                                       | ECO NO.                                                                                                                                                                                  | FILE: U3-10880                      |
| C                 | ADD THICKER GASKET | RDS                                                             | 09/12/13                                                                                                                   | 42993                                                                                                                                                                                    | SHEET 1 OF 2                        |