**Style** M8 Socket, shielded 4 pin A-coding

## Ratings

Voltage: 30 V Current: 3 A

## Operating Temperature Range $-40\sim105\,^{\circ}\mathrm{C}$

## Materials

- 1) Insulator: PA66, UL94 HB, black
- (2) Pin: C3604 brass, gold flashing (3) Nut: C3604 brass, nickel plated
- (4) Shell: C3604 brass, nickel plated
- (5) O-ring: NBR

Electrical Requirements Dielectric strength: 1 min @ 500 Vac Insulation resistance:  $100 \, M\Omega$  @ 500 Vdc Contact resistance:  $10 \text{ m}\Omega$  or less

**Mechanical Requirements** 

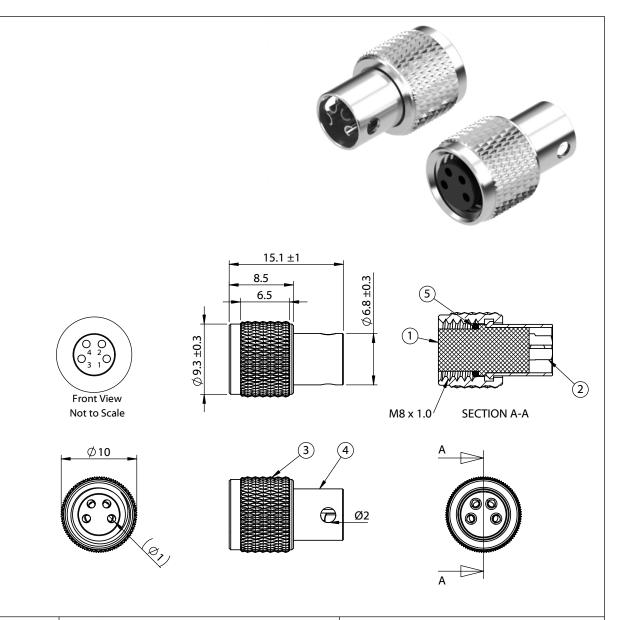
Life cycle: 1000 mating cycles minimum

Environmental Requirements
Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 24 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 m $\Omega$ .

Waterproof: IP67

**Assembly Info** 

Wire gauge: 24 AWG max



| Revision: | Date:   | Description:    | Prepared: Notes:   |   |  |                    |            |   |              |  |  |
|-----------|---------|-----------------|--|---|--|--------------------|------------|---|--------------|--|--|
| Α         | 8/20/21 | Initial Release | JD Digitally signed by JD Date: 2022.12.29 14:06:48 - 08'00'                         | RoHS compliant  |  | TFNSILITY          |            |   |              |  |  |
|           |         |                 | Verified: PB Digitally signed by PB Date: 2022.01.10 083339-0800'  Dimensions are in | Function test: no open, no shor intermittent  | on test: no open, no short circuit, no<br>ittent |                    |            | tel 1.541.323.3228 800 877.670.7118<br>fax 1.541.323.4202 web tensility.com |              |  |  |
|           |         |                 | millimeters. Tolerances:   | Description: Connector, 4 pin M8 A-code socket, 8x15.1 mm, gold plated, molding style, solder cup, IP67, shielded |  | Size: Part number: |            |   |              |  |  |
|           |         |                 | X: ± 0.3 mm  |   |  | Α                  | A 50-00682 |   |              |  |  |
|           |         |                 | X.X: ± 0.1 mm<br>X.XX: ± 0.05 mm   |   |  | Scale:             | 2:1        |   | Sheet 1 of 1 |  |  |