

**Style**

M8 Socket  
3 pin  
A-coding

**Ratings**

Voltage: 60 V  
Current: 3 A

**Operating Temperature Range**

-40~105 °C

**Materials**

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

**Electrical Requirements**

Dielectric strength: 1 min @ 500 Vac  
Insulation resistance: 100 MΩ @ 500 Vdc  
Contact resistance: 10 mΩ or less

**Mechanical Requirements**

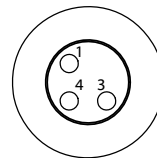
Life cycle: 1000 mating cycles minimum

**Environmental Requirements**

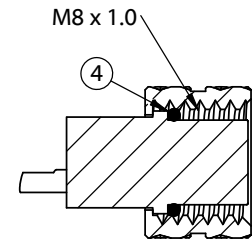
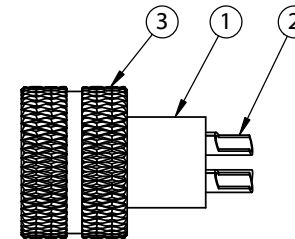
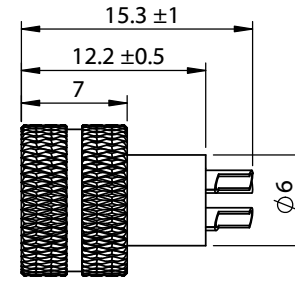
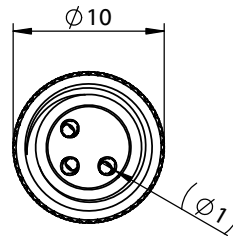
Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 24 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 mΩ.  
Waterproof: IP67

**Assembly Info**

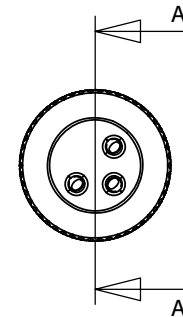
Wire gauge: 24 AWG max



Front View  
Not to Scale



SECTION A-A



Revision:	Date:	Description:
A	8/19/21	Initial Release

Prepared: <b>JD</b> <small>Digitally signed by JD Date: 2022.12.29 14:25:59 -08'00'</small>
Verified: <b>PB</b> <small>Digitally signed by PB Date: 2023.01.10 08:37:44 -08'00'</small>
Dimensions are in millimeters. Tolerances: X: ± 0.3 mm X.X: ± 0.1 mm X.XX: ± 0.05 mm

Notes: RoHS compliant
Function test: no open, no short circuit, no intermittent
Description: Connector, 3 pin M8 A-code socket, 8x15.3 mm, gold plated, molding style, solder cup, IP67

<h1>TENSILITY</h1>	
<small>tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com</small>	
Size: A	Part number: <b>50-00677</b>
Scale: 2:1	
Sheet 1 of 1	