

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

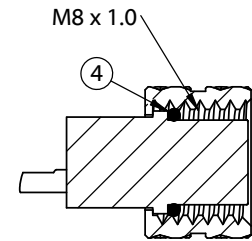
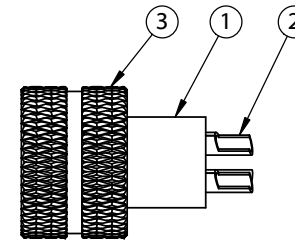
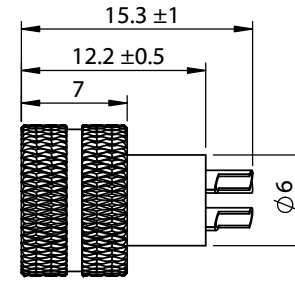
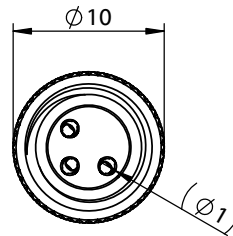
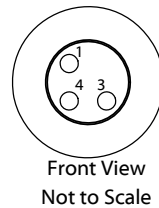
Life cycle: 1000 mating cycles minimum

Environmental Requirements

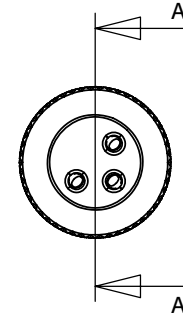
Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 24 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 mΩ.
Waterproof: IP67

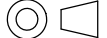
Assembly Info

Wire gauge: 24 AWG max



SECTION A-A



Revision:	Date:	Description:	Prepared:	Notes:	<h1>TENSILITY</h1> tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com
A	8/19/21	Initial Release	Verified:	RoHS compliant Function test: no open, no short circuit, no intermittent	
			Dimensions are in millimeters. Tolerances: X: ± 0.3 mm X.X: ± 0.1 mm X.XX: ± 0.05 mm	Description: Connector, 3 pin M8 A-code socket, 8x15.3 mm, gold plated, molding style, solder cup, IP67	Size: A Part number: 50-00677
					Scale: 2:1  Sheet 1 of 1