

Style

M8 Socket, shielded
5 pin
B-coding

Ratings

Voltage: 30 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: Silicone rubber

Electrical Requirements

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

Mechanical Requirements

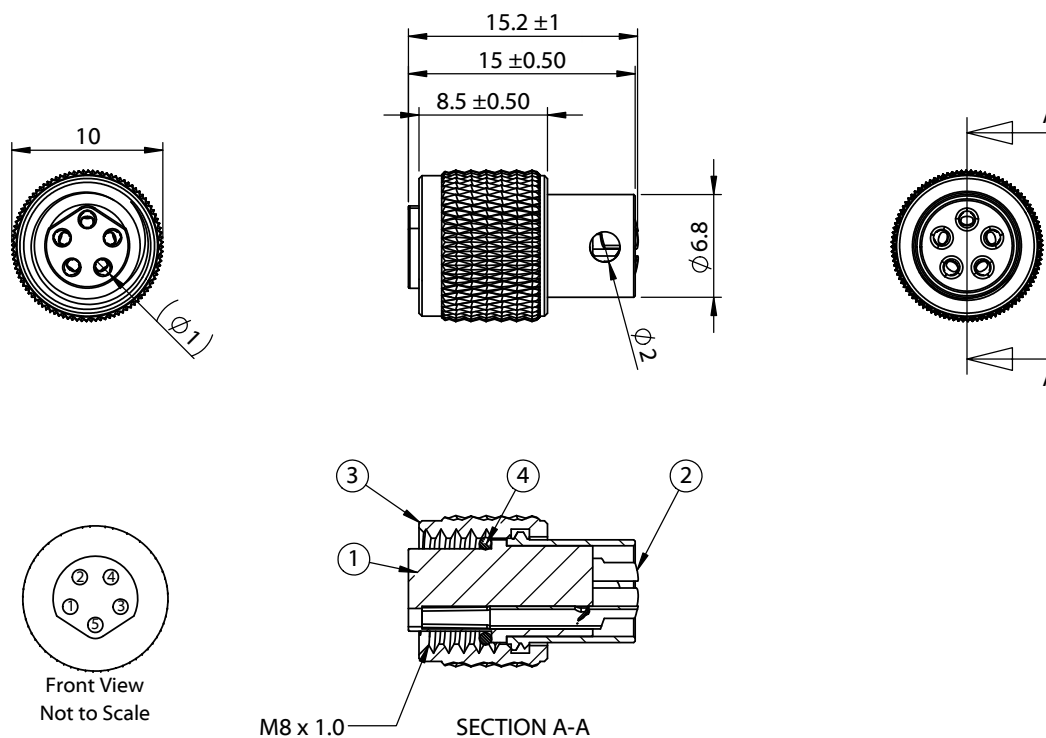
Life cycle: 1000 mating cycles minimum

Environmental Requirements

Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 48 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



Revision:	Date:	Description:	Prepared:	Notes:	<div style="text-align: center;"> <h1>TENSILITY</h1> <p>tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com</p> </div>		
A	12/27/2022	Initial release	Verified:	RoHS compliant			
			Dimensions are in millimeters. Tolerances: X: ± 0.3 mm X.X: ± 0.1 mm X.XX: ± 0.05 mm	Function test: no open, no short circuit, no intermittent	Size:	Part number:	
				Description:	A	50-01006	
				Connector, M8 B-code socket, 5 pin, 8xL15.1 mm, molding style, solder cup, gold plated, IP67, shielded	Scale: 2:1		Sheet 1 of 1