

Style

M12 Socket
4 pin
A-coding

Ratings

Voltage: 250 V
Current: 4 A

Operating Temperature Range

-40 ~ 85 °C

Materials

- ① Insulator: TPU, black
- ② Pin: C3604 brass, gold plated
- 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

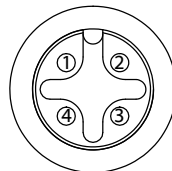
Life cycle: 500 mating cycles minimum

Environmental Requirements

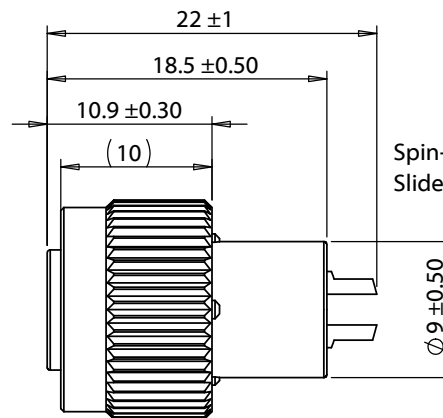
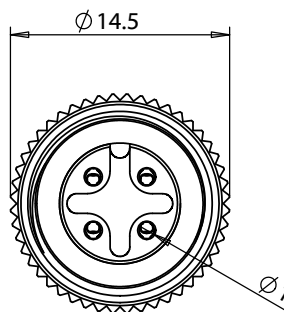
Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 48 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 mΩ.
Waterproof: IP67

Assembly Info

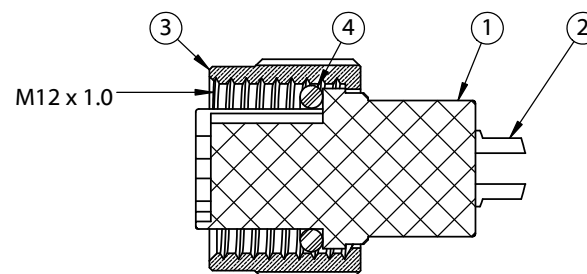
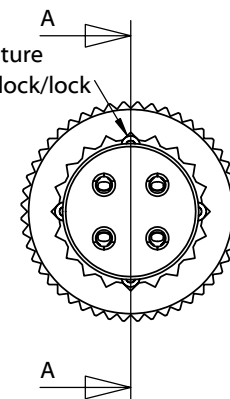
Wire gauge: 22 AWG max



Front View
Not to Scale



Spin-locking feature
Slide shell to unlock/lock



SECTION A-A

Revision:	Date:	Description:	Prepared: RR Digitally signed by RR Date: 2025.03.06 09:17:25 -08'00'	Notes: RoHS compliant	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com
A	8/4/2020	Initial release	Verified: AL Digitally signed by AL Date: 2025.03.06 11:10:25 -08'00'	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, M12 A-code socket, 4 pin, 12xL22 mm, molding style, solder cup, gold plated, IP67	Size: A
					Part number: 50-00966
					Scale: 2:1
					Sheet 1 of 1