

Style

M12 Socket
6 pin
A-coding

Ratings

Voltage: 30 V
Current: 2 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
- ⑤ Stopper: C3604 brass

Electrical Requirements

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

Mechanical Requirements

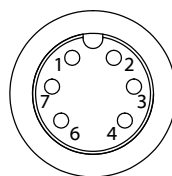
Life cycle: 500 mating cycles minimum

Environmental Requirements

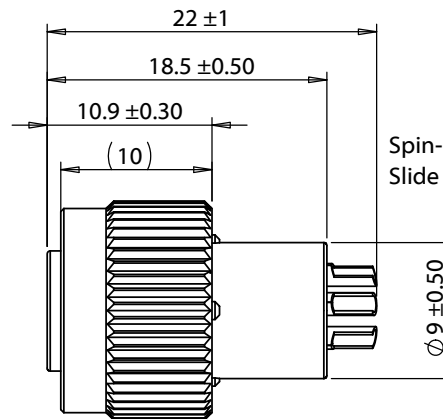
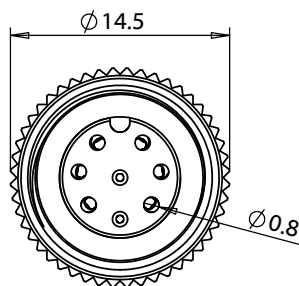
Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 48 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 mΩ.
Waterproof: IP67

Assembly Info

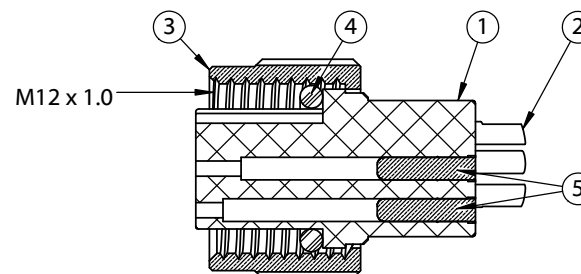
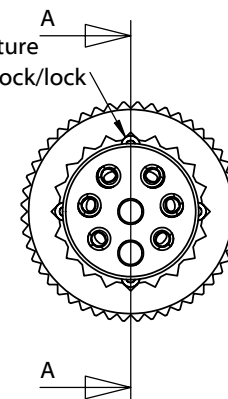
Wire gauge: 24 AWG max



Front View
Not to Scale



Spin-locking feature
Slide shell to unlock/lock



SECTION A-A

Revision:	Date:	Description:	Prepared:	Notes:	<div><h1>TENSILITY</h1><p>tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com</p></div>		
A	8/4/2020	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:	Size:	Part number:	
				Connector, M12 A-code socket, 6 pin, 12xL22 mm, molding style, solder cup, gold plated, IP67	A	50-00968	
					Scale: 2:1		Sheet 1 of 1