

Style

M12 Plug
5 pin
A-coding

Ratings

Voltage: 60 V
Current: 4 A

Operating Temperature Range

-40 ~ 105 °C

Materials

- ① Insulator: Polyamide 66 (PA66), black, UL94 HB
- ② Pin: C3604 brass, gold plated
- ③ Shell: C3604 brass, nickel plated

Electrical Requirements

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

Mechanical Requirements

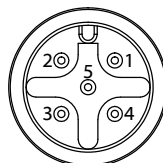
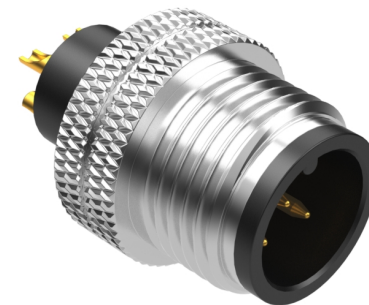
Life cycle: 500 mating cycles minimum

Environmental Requirements

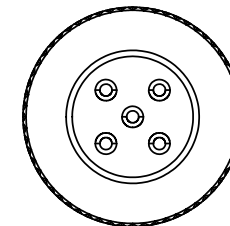
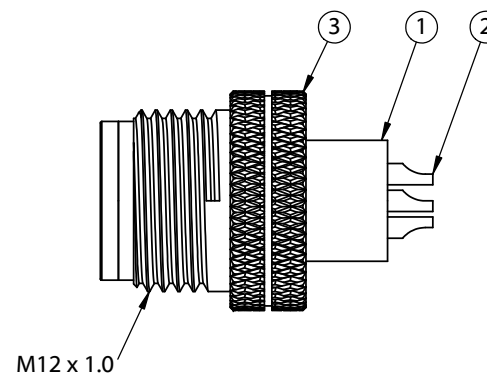
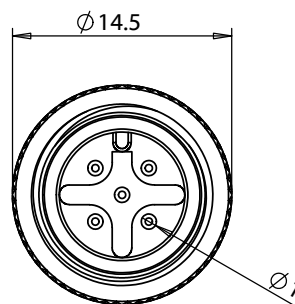
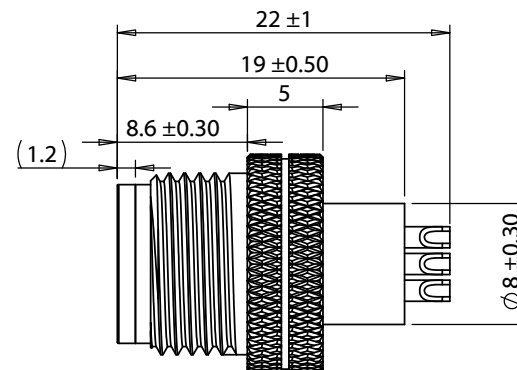
Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 48 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 mΩ.
Waterproof: IP67

Assembly Info

Wire gauge: 22 AWG max



Front View
Not to Scale



| | | | | | | |
|-----------|----------|-----------------|--|--|--|--------------|
| Revision: | Date: | Description: | Prepared: | Notes: | <div style="text-align: center;"> <h1>TENSILITY</h1> <p>tel 1.541.323.3228 800 877.670.7118</p> <p>fax 1.541.323.4202 web tensility.com</p> </div> | |
| A | 8/4/2020 | 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 | 50-00960 |
| | | | | Connector, M12 A-code plug, 5 pin, 12xL22 mm, molding style, solder cup, gold plated, IP67 | Scale: 2:1 | Sheet 1 of 1 |