Style M12 Socket 4 pin A-coding

Ratings Voltage: 250 V Current: 4 A

Operating Temperature Range $-40 \sim 105 \, ^{\circ}\text{C}$

Materials

- (1) Insulator: Polyamide 66 (PA66), UL94 HB, black (2) Pin: C3604 brass, gold plated (3) Shell: C3604 brass, nickel plated (4) O-ring: Nitrile rubber, green

Electrical Requirements
Dielectric strength: 1 min @ 500 Vac
Insulation resistance: $100 \text{ M}\Omega$ @ 500 Vdc Contact resistance: $10 \text{ m}\Omega$ or less

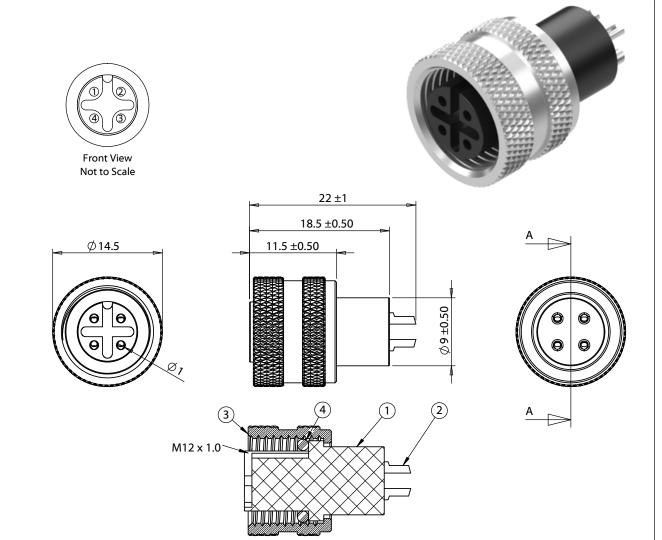
Mechanical Requirements

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 m Ω . Waterproof: IP67

Assembly Info

Wire gauge: 22 AWG max



| Revision: | Date: | Description: | Prepared: Notes: | | | | | | |
|-----------|----------|-----------------|---|---|--|---|-------|--|--------------|
| Α | 8/3/2020 | Initial release | Digitally signed by JC Date: 2020.10.23 12:16:44 -07'00' | RoHS compliant | | TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com | | | |
| | | | Verified: AG Digitally signed by AG Date: 2020.10.23 12.18.14 Dimensions are in | Function test: no open, no short intermittent | | | | | |
| | | | millimeters. Tolerances: X: ± 0.3 mm | Description: Connector, 4 pin M12 A-code socket, 12xL22mm, gold plated, molding style, solder cup, IP67 | | Size: Part number: A 50-00952 | | | |
| | | | X.X: ± 0.1 mm X.XX: ± 0.05 mm | | | Scale: | : 2:1 | | Sheet 1 of 1 |

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