

Style

M12 Socket, shielded
4 pin
D-coding

Ratings

Voltage: 250 V
Current: 4 A

Operating Temperature Range

-40~105°C

Materials

- ① Insulator: Polyamide 66 (PA66), UL94 HB, black
- ② Pin: Phosphor copper, gold flashing
- ③ M12 Shell: Brass, nickel plated
- ④ O-ring: Nitrile rubber, black & green
- ⑤ Epoxy: Epoxy resin

Electrical Requirements

Insulation resistance: 100 MΩ @ 500 Vdc
Contact resistance: 10 mΩ or less

Mechanical Requirements

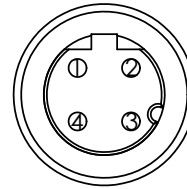
Life cycle: 500 mating cycles minimum

Environmental Requirements

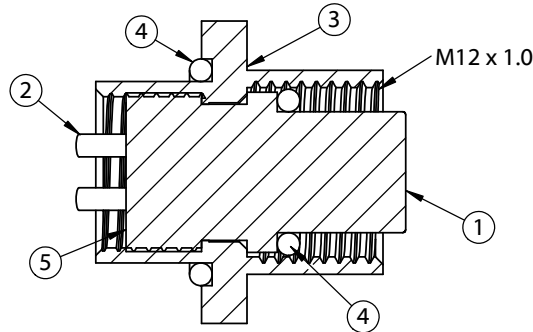
Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 48 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 mΩ.
Waterproof: IP67

Assembly info

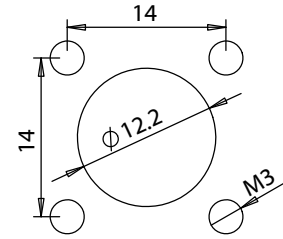
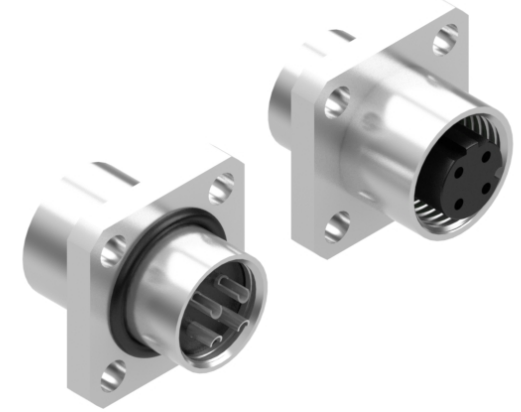
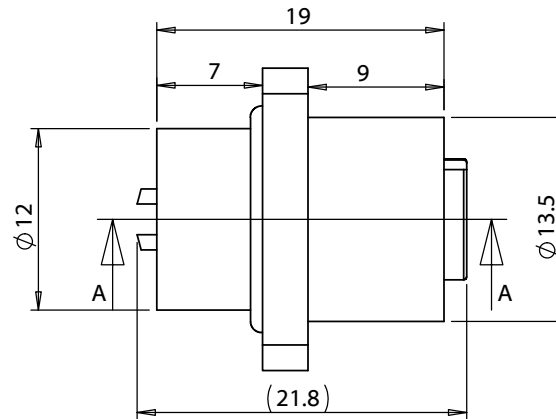
Wire gauge: 22 AWG max



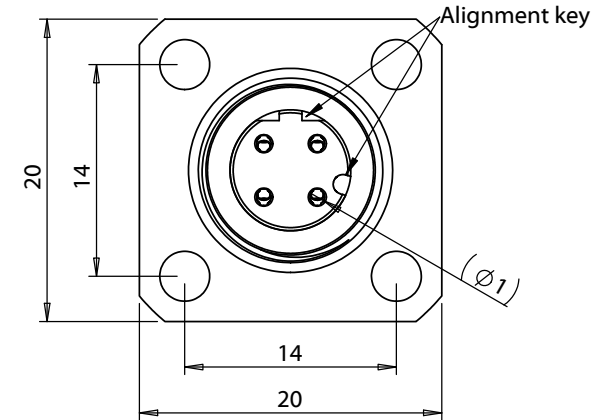
Front View
Not to Scale




SECTION A-A



Panel cut-out
Not to Scale



| | | | | | | | |
|-----------|------------|-----------------|--|---|---|---|--------------|
| Revision: | Date: | Description: | Prepared: | Notes: | <div>TENSILITY</div> <div>tel 1.541.323.3228 800 877.670.7118</div> <div>fax 1.541.323.4202 web tensility.com</div> | | |
| A | 04/05/2024 | 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 | | | |
| | | | | Description: Connector, 4 pin M12 D-code socket, 12xL21.8mm, gold plated, flange mount, solder cup, IP67, shielded | Size: | Part number: | |
| | | | | | A | 55-00236 | |
| | | | | | Scale: 2:1 |  | Sheet 1 of 1 |