

Style
M12 Plug, shielded
5 pin
B-coding

Ratings
Voltage: 60 V
Current: 4 A

Operating Temperature Range
-40~105°C

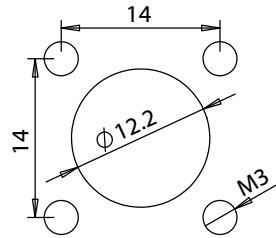
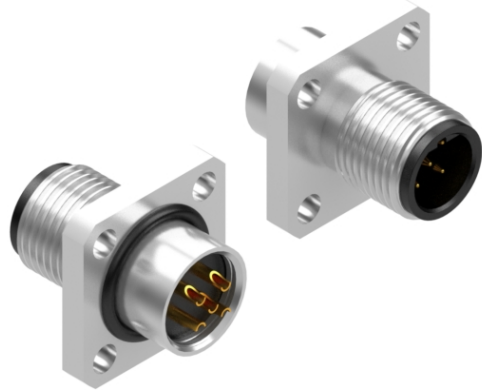
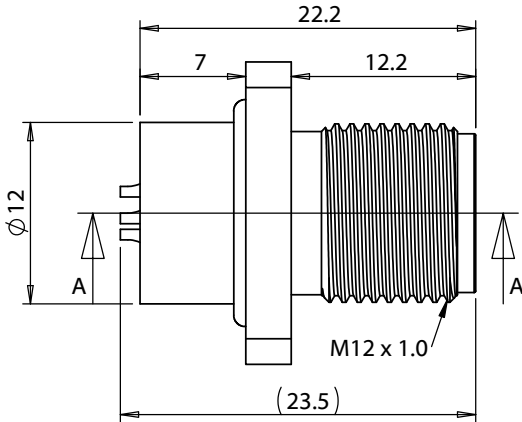
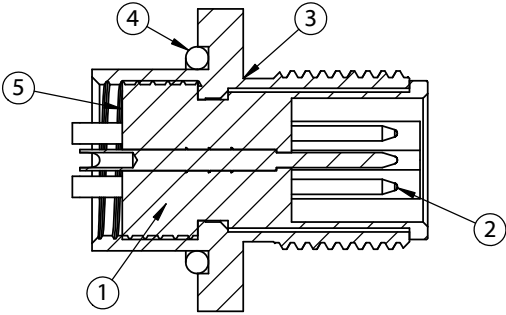
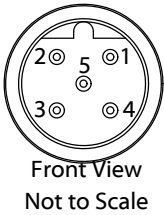
Materials
① Insulator: Polyamide 66 (PA66), UL94 HB, black
② Pin: Brass, gold flashing
③ M12 Shell: Brass, nickel plated
④ O-ring: Nitrile rubber, black
⑤ Epoxy: Epoxy resin

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

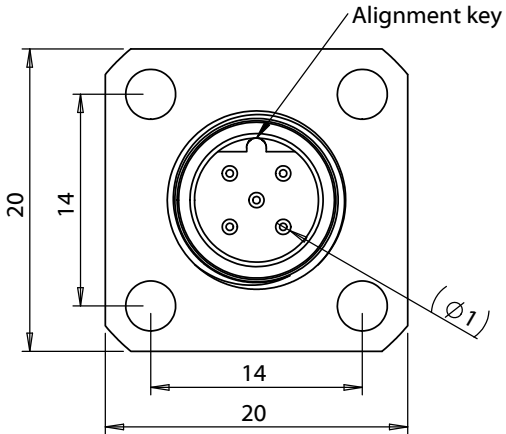
Mechanical Requirements
Life cycle: 500 mating cycles minimum

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



Panel cut-out
Not to Scale



| | | | | | |
|-----------|------------|-----------------|--|---|--|
| 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 | 04/09/2024 | Initial release | Verified: | RoHS compliant | |
| | | | Dimensions are in millimeters. | Function test: no open, no short circuit, no intermittent | |
| | | | Tolerances: X: ± 0.3 mm X.X: ± 0.1 mm X.XX: ± 0.05 mm | Description: Connector, 5 pin M12 B-code plug, 12xL23.5mm, gold plated, flange mount, solder cup, IP67, shielded | |
| | | | | Size: A | Part number: 55-00243 |
| | | | | Scale: 2:1 | Sheet 1 of 1 |