

Style

M12 Plug, 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: C3604 Brass, gold plated
- ③ M12 Shell: Brass, nickel plated
- ④ Outer Shell: Zinc Alloy, nickel plated
- ⑤ Collect nut: Brass, nickel plated
- ⑥ Collect: Polyamide 66 (PA66), UL94 HB
- ⑦ O-ring: Nitrile rubber, black & green

Electrical Requirements

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

Mechanical Requirements

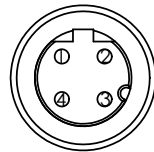
Life cycle: 500 mating cycles minimum

Environmental Requirements

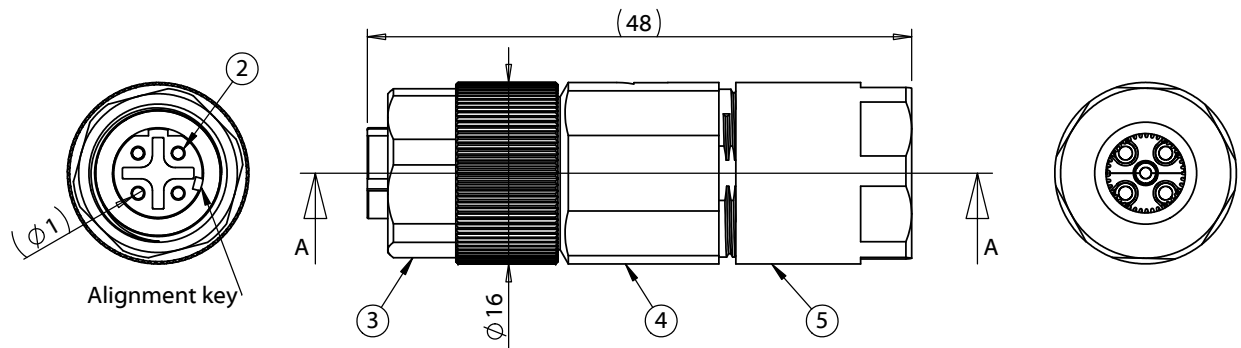
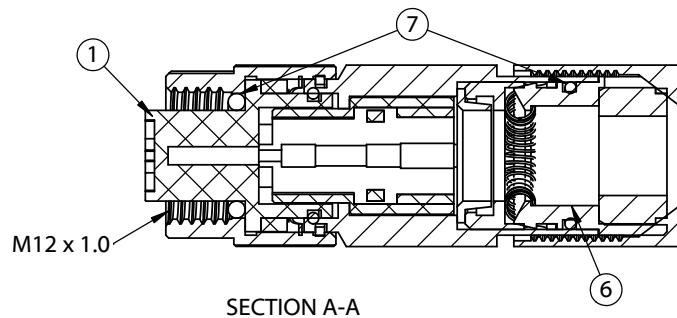
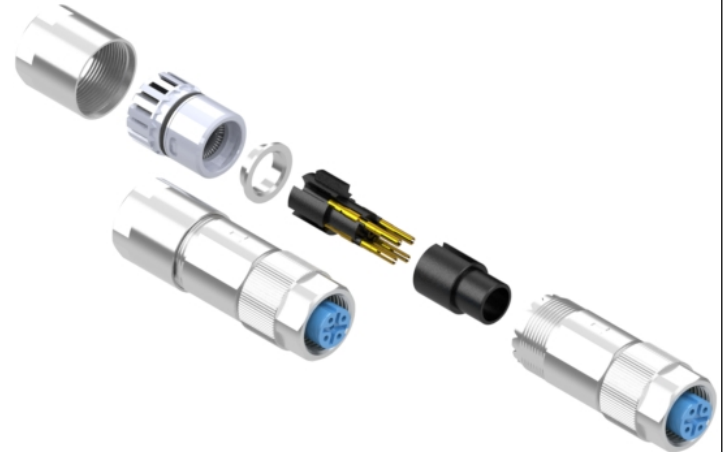
Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 48 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 mΩ.
Waterproof: IP67

Assembly Info

Wire gauge: 22 AWG max
Wire size: \varnothing 4~6 mm
Terminal style: crimp



Front View
Not to Scale



Revision:	Date:	Description:	Prepared:	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com		
A	05/01/2024	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: Connector, 4 pin M12 D-code socket, 12xL48mm, gold plated, assembly style, crimp, IP67, shielded	Size: A	Part number: 55-00255	Sheet 1 of 1
					Scale: 1.5:1		