

Style
M12 Plug, shielded
4 pin
D-coding

Ratings
Voltage: 250 V
Current: 4 A

Operating Temperature Range
-40~105°C

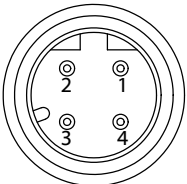
- Materials**
- ① Insulator: Polyamide 66 (PA66), UL94 HB, black
 - ② Pin: C3604 Brass, gold plated
 - ③ M12 Shell: Brass, nickel plated
 - ④ Outer Shell: Zinc Alloy, nickel plated
 - ⑤ Collet nut: Brass, nickel plated
 - ⑥ Collet: Polyamide 66 (PA66), UL94 HB
 - ⑦ O-ring: Nitrile rubber, black

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

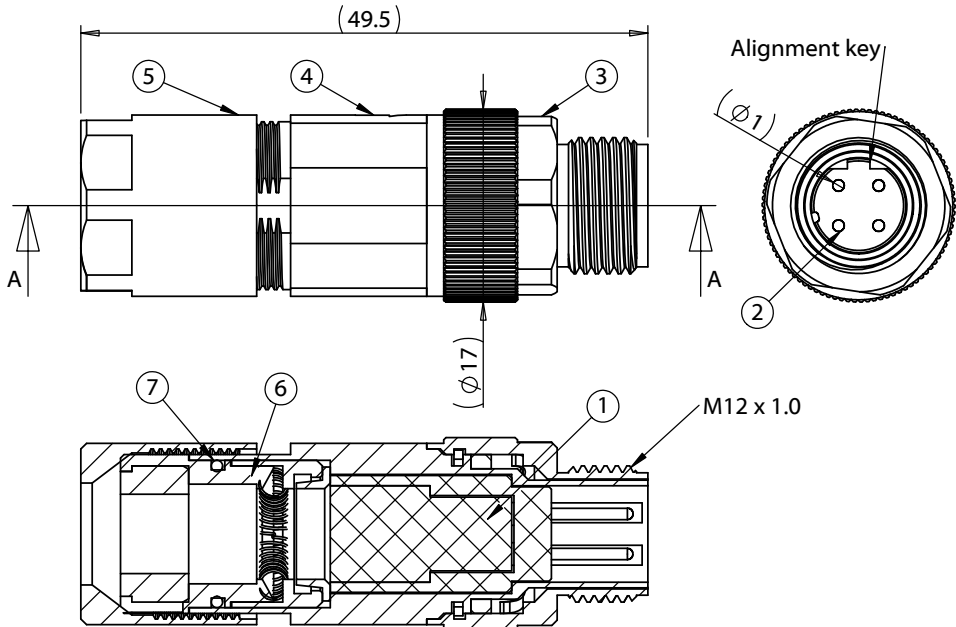
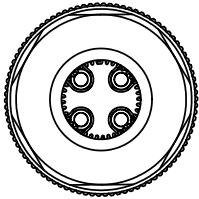
Mechanical Requirements
Life cycle: 500 mating cycles minimum

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 guage: 22 AWG max
Wire size: Ø 4~6 mm
Terminal style: crimp



Front View
Not to Scale



SECTION A-A

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	05/02/2024	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:	Size:	Part number:	
				Connector, 4 pin M12 D-code plug, 12xL49.5mm, gold plated, assembly style, crimp, IP67, shielded	A	55-00250	
					Scale: 1.5:1		Sheet 1 of 1

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