

Style
M12 Plug, shielded
5 pin
A-coding

Ratings
Voltage: 60 V
Current: 4 A

Operating Temperature Range
-40~105°C

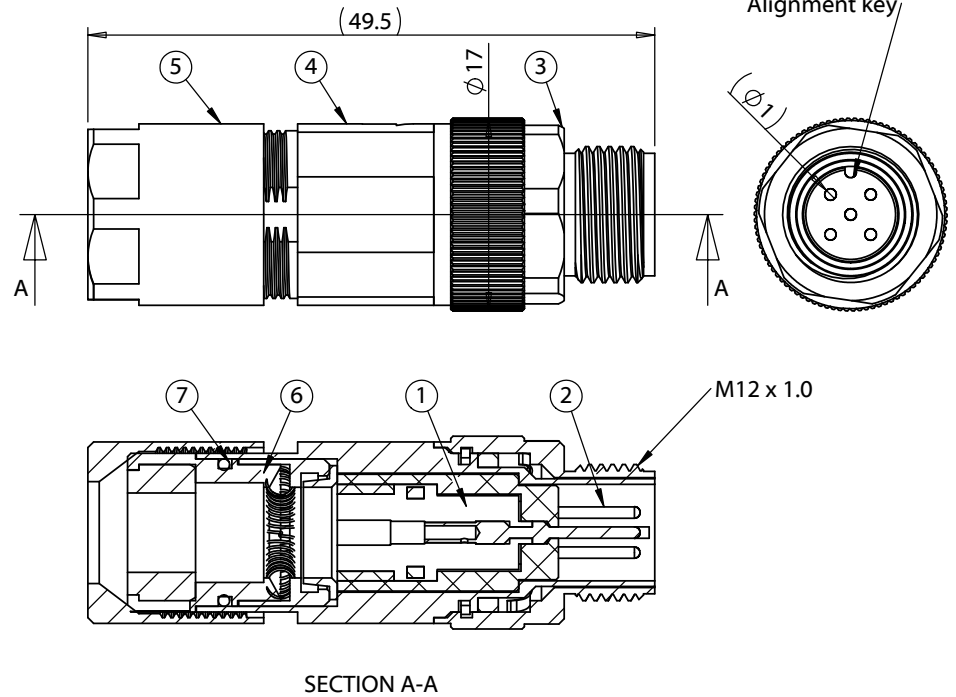
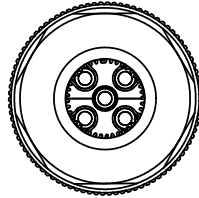
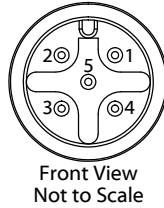
Materials
① Insulator: Polyamide 66 (PA66), UL94 HB, black
② Pin: C3604 Brass, gold plated
③ M12 Shell: Brass, nickel plated
④ Outer Shell: Zinc Alloy, nickel plated
⑤ Collet nut: Brass, nickel plated
⑥ Collet: Polyamide 66 (PA66), UL94 HB
⑦ O-ring: Nitrile rubber, black

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



Revision:	Date:	Description:	Prepared:	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com		
A	04/29/2024	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, 5 pin M12 A-code plug, 12xL49.5mm, gold plated, assembly style, crimp, IP67, shielded	Size: A	Part number: 55-00251	Sheet 1 of 1
					Scale: 1.5:1		

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