

Style
M12 Plug, shielded
3 pin
A-coding

Ratings
Voltage: 250 V
Current: 4 A

Operating Temperature Range
-40~105 °C

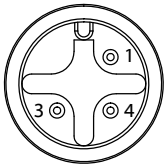
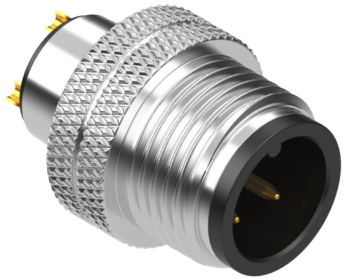
Materials
① Insulator: Polyamide 66 (PA66), UL94 HB, black
② Pin: C3604 brass, gold plated
③ Shell: C3604 brass, nickel plated

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

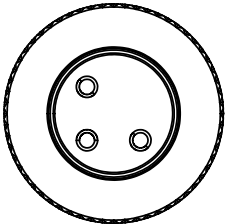
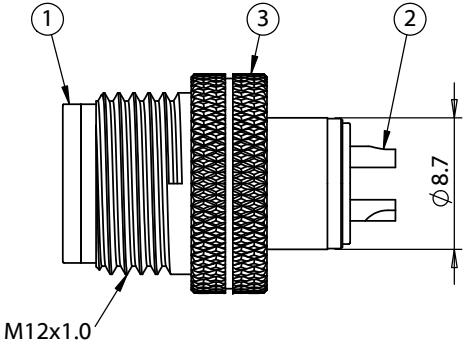
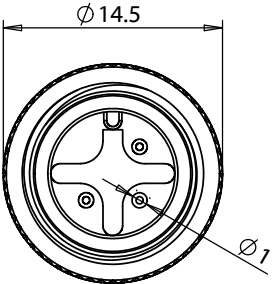
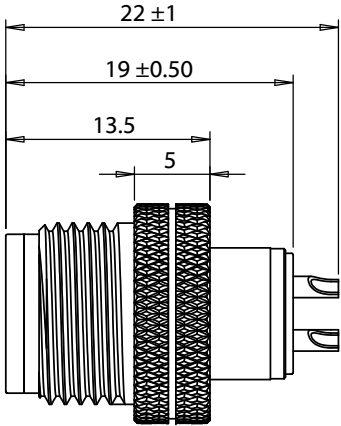
Mechanical Requirements
Life cycle: 500 mating cycles minimum

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



Front View
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	7/24/2020	Initial release	Verified:	RoHS compliant			
			Dimensions are in millimeters.	Function test: no open, no short circuit, no intermittent	Size: Part number:		
			Tolerances:	Description:			
			X: ± 0.3 mm	Connector, M12 A-code plug, 3 pin, 12xL22 mm, molding style, solder cup, gold plated, IP67, shielded	A 50-00986		
			X.X: ± 0.1 mm				
			X.XX: ± 0.05 mm		Scale: 2:1		Sheet 1 of 1