

Style
M12 Socket, shielded
4 pin
D-coding

Ratings
Voltage: 250 V
Current: 4 A

Operating Temperature Range
-40~105 °C

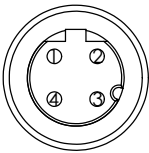
Materials
① Insulator: Polyamide 66 (PA66), UL94 HB, black
② Pin: C5191 phosphor bronze, gold plated
③ Shell: C3604 brass, nickel plated
④ Nut: C3604 brass, nickel plated
⑤ O-ring: Nitrile rubber, green/black

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

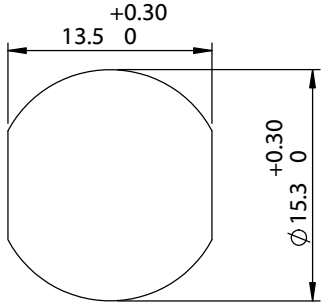
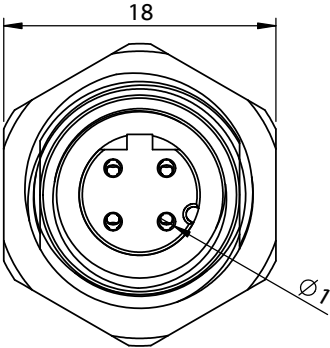
Mechanical Requirements
Life cycle: 500 mating cycles minimum

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

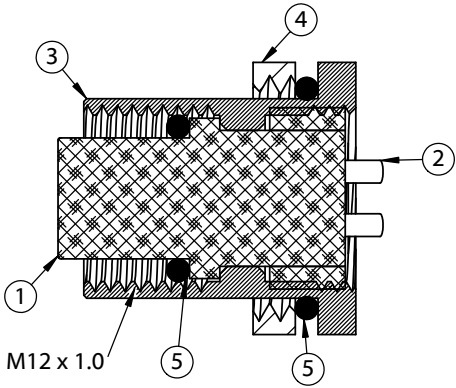
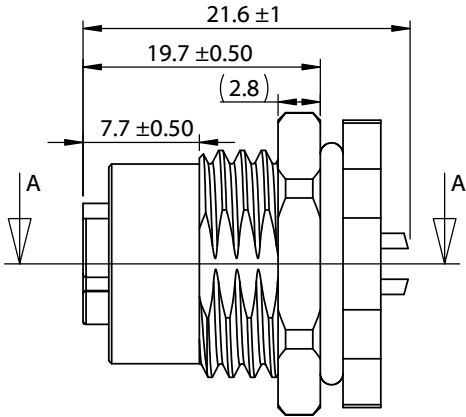
Assembly Info
Wire gauge: 22 AWG max



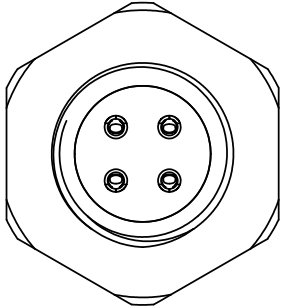
Front View
Not to Scale



Panel cutout (PG9)
Panel thickness (4.5mm max.)



SECTION A-A



Revision:	Date:	Description:	Prepared:	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com		
A	2/7/2023	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 socket, 12xL21.6mm, gold plated, panel mount, solder cup, IP67	A	54-00375	
					Scale: 2:1		Sheet 1 of 1