Style

M12 Socket, shielded 4 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: 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: $10 \text{ m}\Omega$ or less

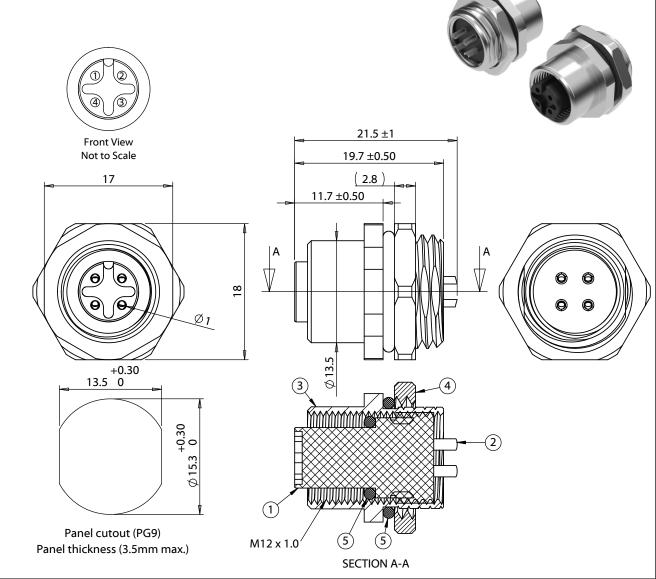
Mechanical RequirementsLife cycle: 500 mating cycles minimum

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 m Ω . Waterproof: IP67

5

Assembly Info

Wire gauge: 22 AWG max



Revision:	Date:	Description:	Prepared:	Notes:				
Α	10/1/2020	Initial release		RoHS compliant			NSIL	ITY
			Verified: Dimensions are in millimeters. Tolerances: X: ± 0.3 mm	Function test: no open, no short circuit, no intermittent	tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com			
				Connector, 4 pin M12 A-code socket, 12xL21.5mm, gold plated, panel mount, solder cup, IP67	Size: Part number: A 54-00181			
			X.X: ± 0.1 mm X.XX: ± 0.05 mm		Scale:	2:1		Sheet 1 of 1