### Style

M12 Socket, shielded 5 pin D-coding

### Ratings

Voltage: 60 V Current: 4 A

# Operating Temperature Range $-40\sim105\,^{\circ}\mathrm{C}$

### 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 Requirements**

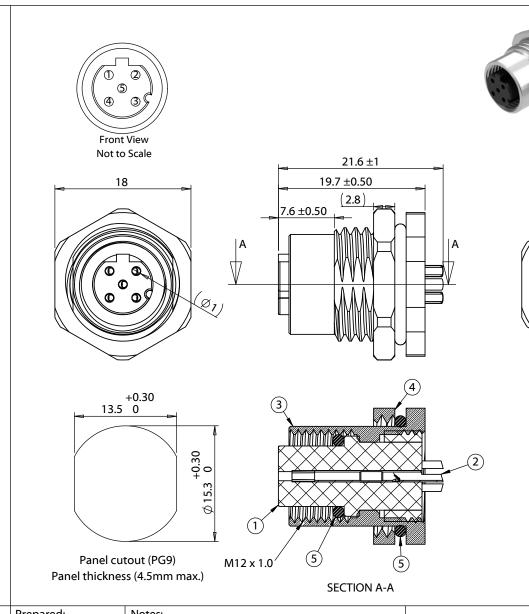
Life cycle: 500 mating cycles minimum

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 m $\Omega$ . Waterproof: IP67

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# **Assembly Info**

Wire gauge: 22 AWG max



Revision:	Date:	Description:	Prepared:	Notes:					
Α	2/2/2023	Initial release		RoHS compliant			NSIL	ITY	
			Verified:  Dimensions are in millimeters. Tolerances: X: ± 0.3 mm X.X: ± 0.1 mm X.XX: ± 0.05 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, 5 pin M12 D-code socket, 12xL21.6mm, gold plated, panel mount, solder cup, IP67	Size:	Size: Part number: A 54-00385			
					Scale:	: 2:1		Sheet 1 of 1	