**Style** M12 Plug, shielded 5 pin A-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: C3604 brass, gold plated 3 Shell: C3604 brass, nickel plated 4 Nut: C3604 brass, nickel plated

- (5) O-ring: Nitrile rubber, black

Electrical Requirements Dielectric strength: 1 min @ 500 Vac Insulation resistance: 100 M $\Omega$  @ 500 Vdc Contact resistance: 10 m $\Omega$  or less

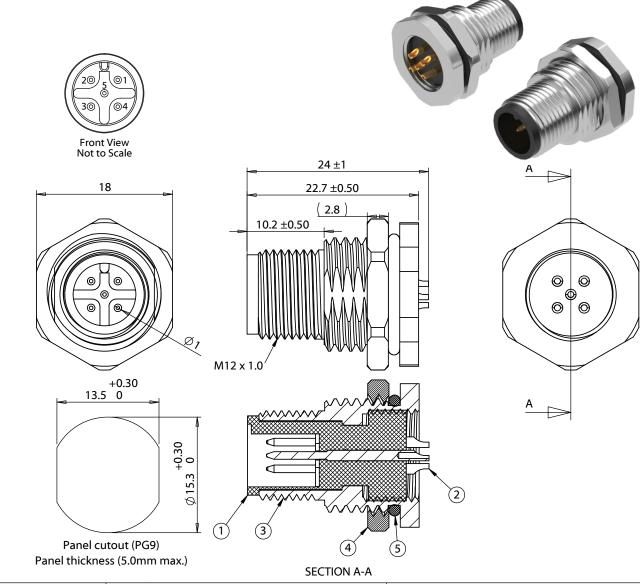
## **Mechanical Requirements**

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

5

**Assembly Info**Wire gauge: 22 AWG max



Revision:	Date:	Description:	Prepared:	Notes:					
Α	10/2/2020	Initial release		RoHS compliant			NSII.	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			
				Description:	Size: Part number:				
				Connector, 5 pin M12 A-code plug, 12xL24mm, gold plated, panel mount, solder cup, IP67	Α	E4 00106			
			X.X: ± 0.1 mm X.XX: ± 0.05 mm		Scale	: 2:1		Sheet 1 of 1	