## Style

M12 Plug, shielded 6 pin A-coding

Ratings Voltage: 30 V Current: 2 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, 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**

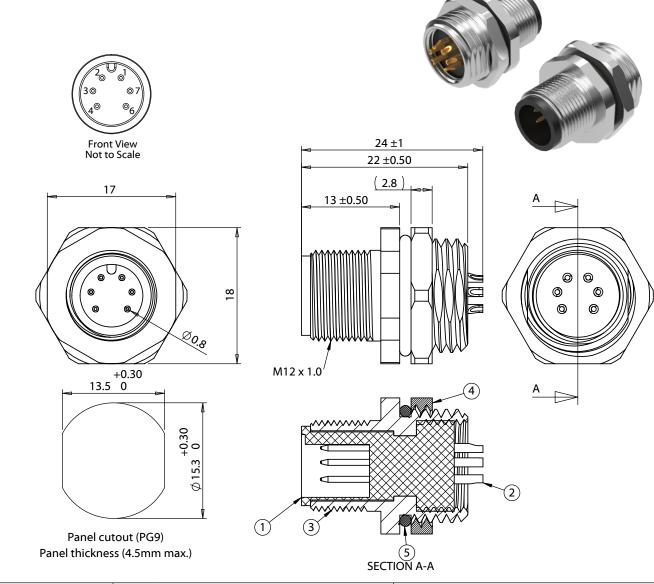
Life cycle: 500 mating cycles minimum

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: 24 AWG max



Revision:	Date:	Description:	Prepared:	Notes:					
Α	10/1/2020	Initial release		RoHS compliant		F	<b>JSII</b>	ITY	
			Dimensions are in	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, 6 pin M12 A-code plug, 12xL24mm, gold plated, panel mount, solder cup, IP67	Size:	Size: Part number: A 54-00190			
					Scale:	2:1		Sheet 1 of 1	