**Style** M12 Socket 4 pin A-coding

Ratings Voltage: 250 V Current: 4 A

## **Operating Temperature Range**

-40 ~ 85 °C

## Materials

(1) Insulator: TPU, black (2) Pin: C3604 brass, gold plated (3) Shell: C3604 brass, nickel plated (4) O-ring: Nitrile rubber, green

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

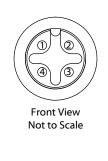
## **Mechanical Requirements**

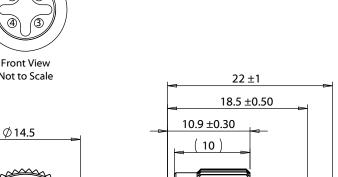
Life cycle: 500 mating cycles minimum

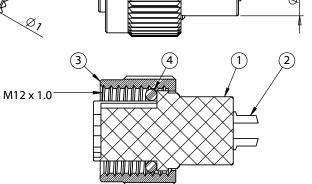
Environmental Requirements Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 48 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 m $\Omega$ . Waterproof: IP67

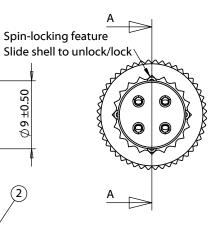
## **Assembly Info**

Wire gauge: 22 AWG max









**SECTION A-A** 

Revision:	Date:	Description:	Prepared:	Notes:			
А	8/4/2020	Initial release	Digitally signed by AW Date: 2020.10.12 12:39:36 -07'00'	RoHS compliant		FNSII ITY	
			Verified: AG  Digitally signed by AG Date: 2020.10.14 11:58:52 -0700'	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		
			Dimensions are in		Tax 1.5 11.525. 1202 Web terisinty.com		
			millimeters.	Description:	Size:	Part number:	
				Connector, 4 pin M12 A-code socket, 12xL22mm, gold plated, molding style, solder cup, IP67	Α	50-00966	
					Scale:	: 2:1 Sheet 1 of 1	

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