**Style** M12 Plug, shielded 3 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: C3604 brass, gold plated (3) Shell: C3604 brass, nickel plated

## **Electrical Requirements**

Dielectric strength: 1 min @ 500 Vac Insulation resistance: 100 MΩ @ 500 Vdc Contact resistance: 10 mΩ or less

### **Mechanical Requirements**

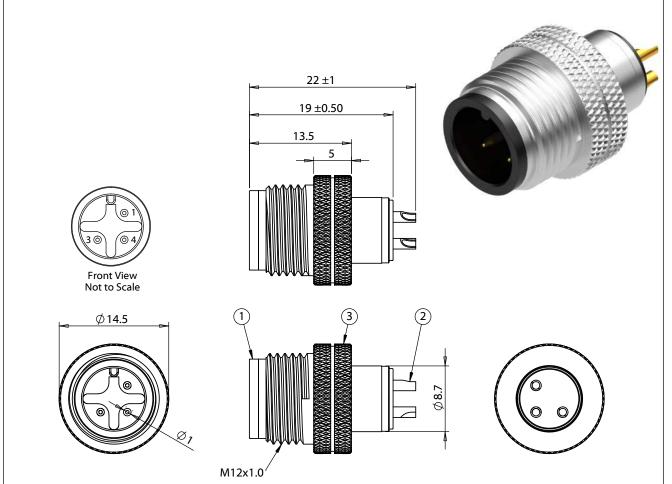
Life cycle: 500 mating cycles minimum

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	7/24/2020	Initial release	Digitally signed by JC Date: 2020.10.23 12:36:22 -07'00'	RoHS compliant		FI	NSII .	ITY
			Verified:  AG  Digitally signed by AG Date: 2020.1023 130055 Optoor  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			
			Tolerances: X: ± 0.3 mm	Description:  Connector, 3 pin M12 A-code plug, 12xL22mm, gold plated, molding style, solder cup, IP67, shielded	Size: Part number: A 50-00986			
			X.X: ± 0.1 mm X.XX: ± 0.05 mm	plated, molding style, solder cup, IP67, shielded	Scale:	2:1		Sheet 1 of 1