Style M12 Socket 3 pin A-coding

Ratings Voltage: 250 V Current: 4 A

Operating Temperature Range $-40 \sim 85\,^{\circ}\mathrm{C}$

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

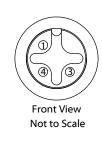
Mechanical Requirements

Life cycle: 500 mating cycles minimum

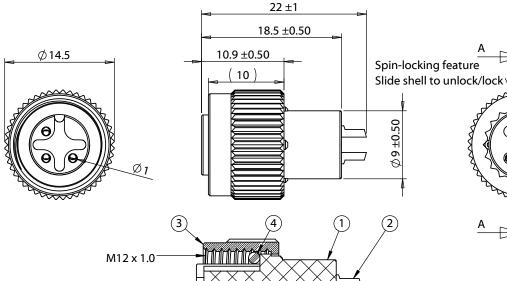
Environmental Requirements Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 48 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 m Ω . Waterproof: IP67

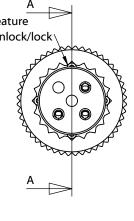
Assembly Info

Wire gauge: 22 AWG max









SECTION A-A

Revision:	Date:	Description:	Prepared:	Notes:		
Α	8/4/2020	Initial release	AW Digitally signed by AW Date: 2020.10.12 12:34:51 -07'00'	RoHS compliant		FNSII ITY
			Verified: AG Digitally signed by AG Date: 2020.10.14 115129 -07007	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 millimeters. Tolerances: X: ± 0.3 mm	Description: Connector, 4 pin M12 A-code socket, 12xL22mm,	Size:	Part number: 50-00965
			X.X: ± 0.1 mm X.XX: ± 0.05 mm	gold plated, molding style, solder cup, IP67	Scale:	: 2:1 Sheet 1 of 1

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