**Style** M8 Socket 4 pin A-coding

Ratings Voltage: 30 V Current: 3 A

# Operating Temperature Range -40~105 $^{\circ}\mathrm{C}$

### Materials

1) Insulator: PA66, UL94, HB, black

(2) Pin: C3604 brass, gold flashing (3) Shell: C3604 brass, nickel plated

(4) O-ring: NBR

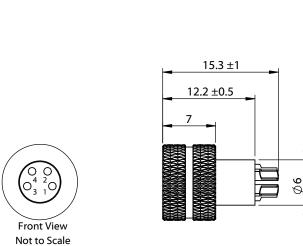
Electrical Requirements Dielectric strength: 1 min @ 500 Vac Insulation resistance: 100 M $\Omega$  @ 500 Vdc Contact resistance: 10 m $\Omega$  or less

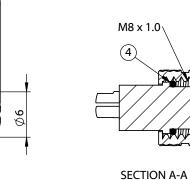
## **Mechanical Requirements**

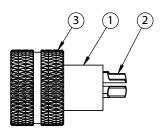
Life cycle: 1000 mating cycles minimum

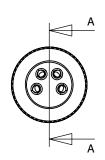
Environmental Requirements Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 24 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 m $\Omega$ . Waterproof: IP67

**Assembly Info**Wire gauge: 24 AWG max









Revision:	Date:	Description:	Prepared:	Notes:				
Α	8/19/21	Initial Release		RoHS compliant		FI	NSII.	ITY
			Verified:	Function test: no open, no short circuit, no intermittent  Description: Connector, 4 pin M8 A-code socket, 8x15.3 mm, gold plated, molding style, solder cup, IP67	tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com  Size: Part number: A 50-00678			
			Dimensions are in millimeters. Tolerances: X: ± 0.3 mm X.X: ± 0.1 mm X.XX: + 0.05 mm					
					Scale:	2:1		Sheet 1 of 1

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