Style M8 Plug, shielded 4 pin A-coding

Ratings Voltage: 30 V Current: 3 A

Operating Temperature Range -40~105 °C

Materials

- (1) Insulator: PA66, UL 94 HB, black
- 2) Pin: C3604 brass, gold flashing 3) Nut: C3604 brass, nickel plated 4) Shell: C3604 brass, nickel plated 5) O-ring: Silicone rubber

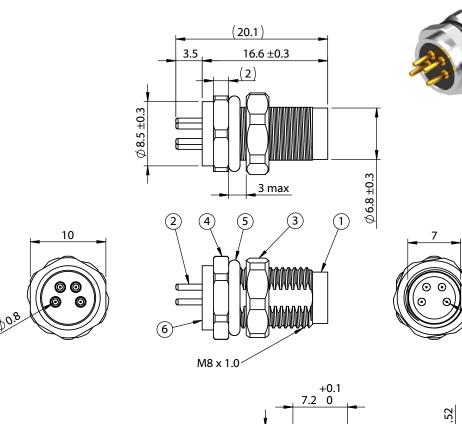
- (6) Epoxy: Epoxy resin

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

Mechanical Requirements

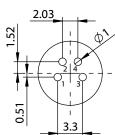
Life cycle: 1000 mating cycles minimum

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 Ω . Waterproof: IP67



Ø8.1

Panel Cut-Out



Front View Not to Scale

PCB Layout

Revision:	Date:	Description:	Prepared:	Notes:						
Α	8/24/21	Initial Release		RoHS compliant		\top	JISI	ITY		
			Verified:	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 Size: Part number:					
			Dimensions are in millimeters. Tolerances: X: ± 0.3 mm	Description					4	
				Description: Connector, M8 A-code plug, 4 pin, 8xL20.1 mm,	A A	F4.00076				
			X.X: ± 0.1 mm X.XX: ± 0.05 mm	panel mount, thru hole, gold plated, IP67	Scale:	2:1		Sheet 1 of 1	1	

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