**Style** M8 Plug, shielded 3 pin A-coding

Ratings Voltage: 60V Current: 3A

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

## 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: Nitrile rubber, black

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

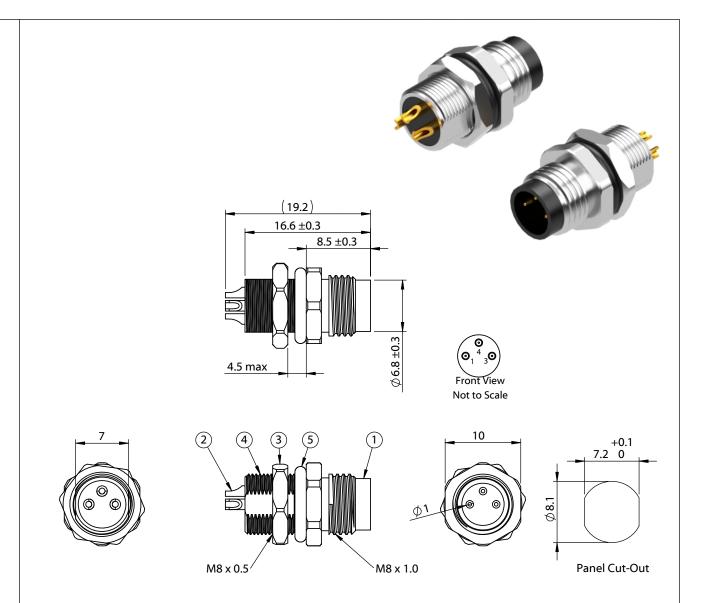
**Mechanical Requirements** 

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	8/26/21	Initial Release		RoHS compliant		ENSILITY	
			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		
			Dimensions are in millimeters.	Description:	Size:		
			Tolorancos	Connector, 3 pin M8 A-code plug, 8x19.2 mm, gold plated, panel mount, solder cup, IP67	A A	54-00294	
					Scale:	: 2:1 Sheet 1 of 1	

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