## Style

M8 Socket, shielded 3 pin A-coding

# Ratings

Voltage: 60 V Current: 3 A

# Operating Temperature Range $-40 \sim 105\,^{\circ}\text{C}$

### 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 & green

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

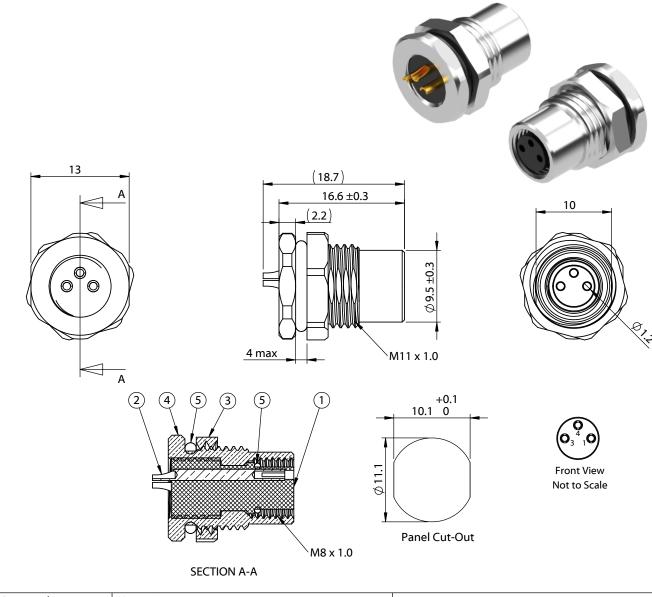
# **Mechanical Requirements**

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	8/25/21	Initial Release		RoHS compliant		$\Box$	NSII.	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			
			Dimensions are in					
			millimeters. Tolerances:	Description:	Size: Part number: A 54-00292			
			X: ± 0.3 mm	Connector, 3 pin M8 A-code socket, 8x18.7 mm,				
			X.X: ± 0.1 mm X.XX: ± 0.05 mm	gold plated, panel mount, solder cup, IP67		2:1		Sheet 1 of 1

5 3 2