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 Ω @ 500 Vdc Contact resistance: $10 \text{ m}\Omega$ or less

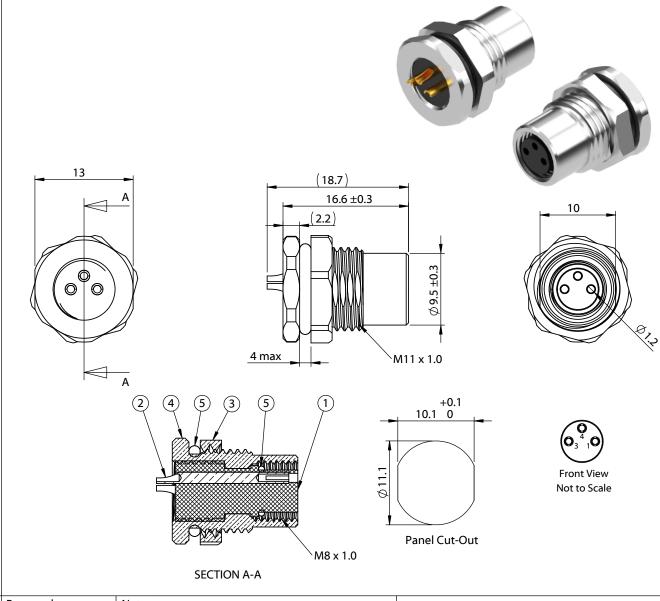
Mechanical Requirements

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 Ω . Waterproof: IP67

Assembly Info

Wire gauge: 24 AWG max



Revision:	Date:	Description:	Prepared:	Notes:						
Α	8/25/21	Initial Release	JD Digitally signed by JD Date: 2022.12.29 13:22:35 -08'00'	RoHS compliant		TFNSII ITY				
			Verified: PB Digitally signed by PB Date: 2022.12.30 08:49:17-08'00'	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						
			Tolerances: X: ± 0.3 mm	Description: Connector, 3 pin M8 A-code socket, 8x18.7 mm,		Size: Part number: A 54-00292				
			X.X: ± 0.1 mm X.XX: ± 0.05 mm	gold plated, panel mount, solder cup, IP67		Scale:	2:1		Sheet 1 of 1	

5 3