

Style

M8 Socket, shielded
6 pin
A-coding

Ratings

Voltage: 30 V
Current: 1 V

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: Nitrile rubber, black & green

Electrical Requirements

Dielectric strength: 1 min @ 500 Vac
Insulation resistance: 100 MΩ @ 500 Vdc
Contact resistance: 10 mΩ or less

Mechanical Requirements

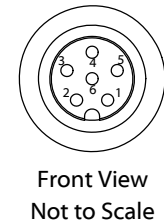
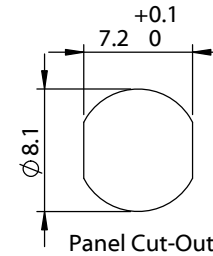
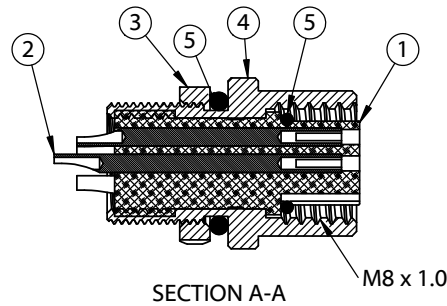
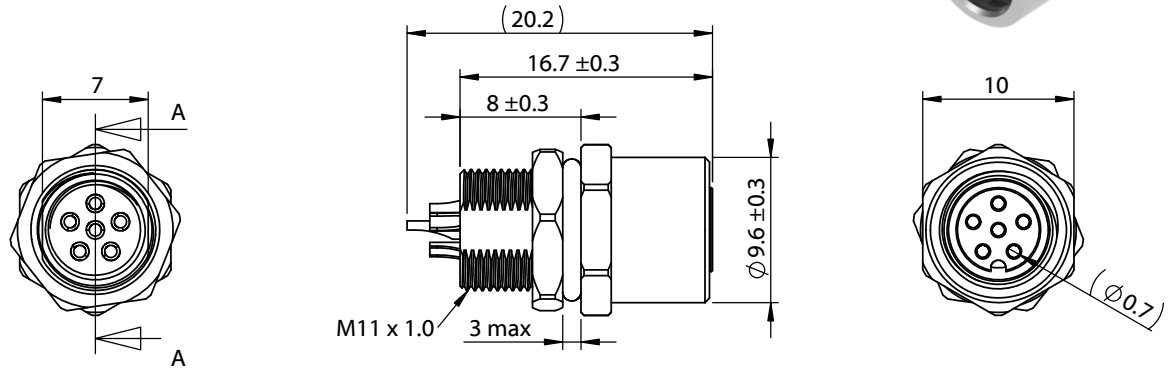
Life cycle: 1000 mating cycles minimum


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 mΩ.
Waterproof: IP67

Assembly Info

Wire gauge: 26 AWG max



Revision:	Date:	Description:	Prepared:	Notes: RoHS compliant Function test: no open, no short circuit, no intermittent	<h1>TENSILITY</h1> <p>tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com</p>
A	1/10/2023	Initial release	Verified:		
			Dimensions are in millimeters. Tolerances: X: ± 0.3 mm X.X: ± 0.1 mm X.XX: ± 0.05 mm		
			Description:	Connector, 6 pin M8 A-code socket, 8x20.2 mm, gold plated, panel mount, solder cup, IP67	Size: A Part number: 54-00327 Scale: 2:1
					 Sheet 1 of 1

4 3 2 1