

Style

M8 Plug, shielded
6 pin
A-coding

Ratings

Voltage: 30 V
Current: 1 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: Nitrile rubber, black

Electrical Requirements

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

Mechanical Requirements

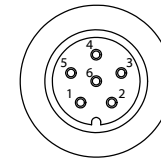
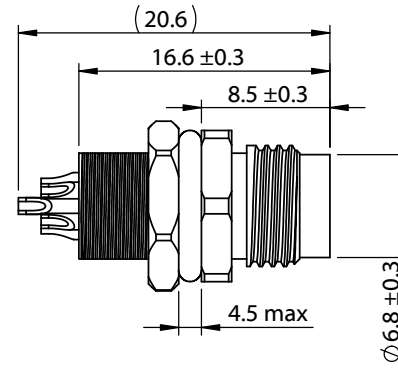
Life cycle: 1000 mating cycles minimum

Environmental Requirements

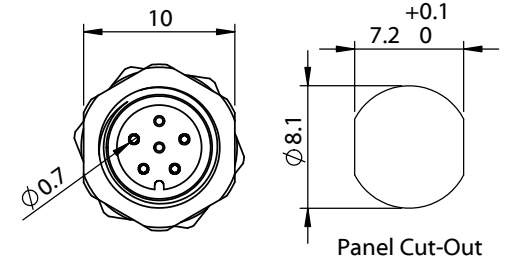
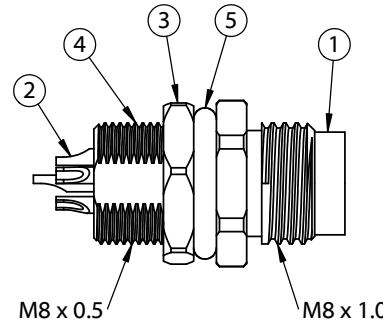
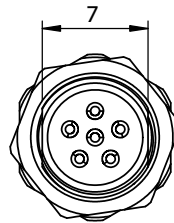
Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 24 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 mΩ.
Waterproof: IP67

Assembly Info

Wire gauge: 26 AWG max



Front View
Not to Scale



Revision:	Date:	Description:	Prepared: PB Digitally signed by PB Date: 2023.01.20 09:03:10 -08'00'	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com	
A	1/11/2023	Initial release	Verified: JD Digitally signed by JD Date: 2023.01.20 09:13:56 -08'00'	RoHS compliant		
			Dimensions are in millimeters. Tolerances: X: ± 0.3 mm X.X: ± 0.1 mm X.XX: ± 0.05 mm	Function test: no open, no short circuit, no intermittent	Size: A	Part number: 54-00326
				Description: Connector, 6 pin M8 A-code plug, 8x20.6 mm, gold plated, panel mount, solder cup, IP67	Scale: 2:1	Sheet 1 of 1

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