

Style

M8 Plug, shielded
4 pin
A-coding

Ratings

Voltage: 30V
Current: 3A

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: Silicone rubber
- ⑥ Epoxy: Epoxy resin

Electrical Requirements

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

Mechanical Requirements

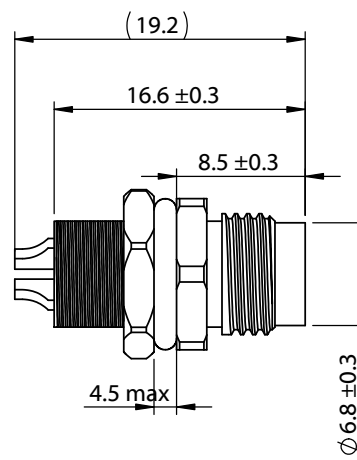
Life cycle: 1000 mating cycles minimum

Environmental Requirements

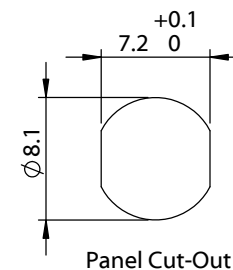
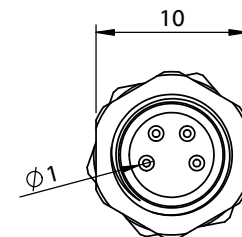
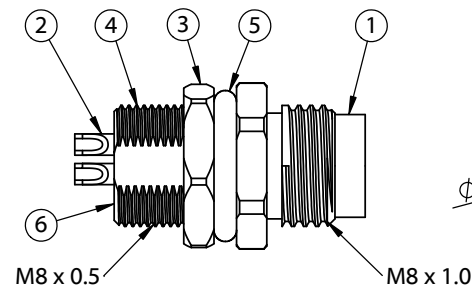
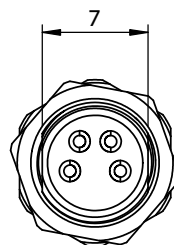
Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 24 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 mΩ.
Waterproof: IP67

Assembly Info

Wire gauge: 24 AWG max



Front View
Not to Scale



Revision:	Date:	Description:	Prepared:	Notes:	<div>TENSILITY</div> <div>tel 1.541.323.3228 800 877.670.7118</div> <div>fax 1.541.323.4202 web tensility.com</div>		
A	8/26/21	Initial Release	Verified:	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:	Part number:	
				Description:	A	54-00295	
				Connector, M8 A-code plug, 4 pin, 8xL19.2 mm, panel mount, solder cup, gold plated, IP67	Scale: 2:1		Sheet 1 of 1