

### Ratings

Voltage: 60 V  
Current: 1 A  
Waterproof: IP 67

### Operating Temperature Range

-40 ~ 85 °C

### Materials

- ① Insulator: Nylon 66 + 30% glass fiber, black, UL 94 HB
- ② Sleeve: brass, gold-flashing
- ③ Shell: brass, nickel plated
- ④ O-ring: Silicone rubber
- ⑤ Hexagonal nut: brass, nickel plated
- ⑥ O-ring: Silicone rubber
- ⑦ Epoxy: Epoxy resin

### Electrical Requirements

Dielectric strength: 1 min @ 500 Vac  
Insulation resistance:  $10^8 \Omega$  min  
Contact resistance: 10 m $\Omega$  or less

### Mechanical Requirements

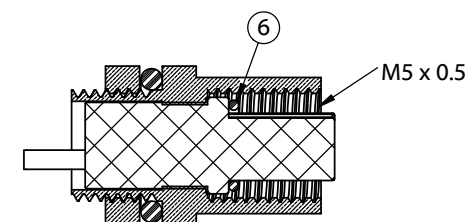
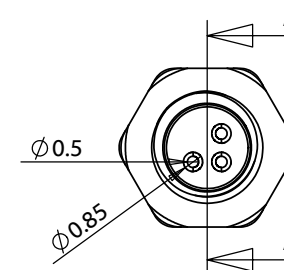
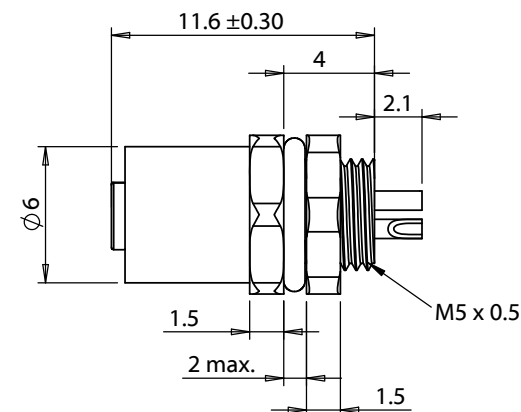
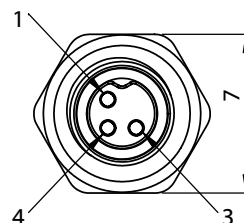
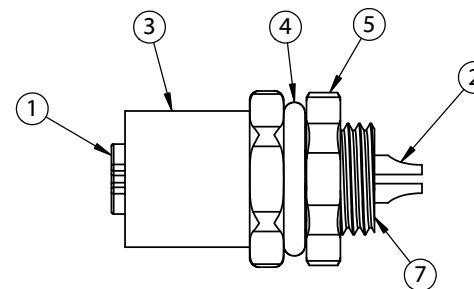
Insertion force: 0.82 kgf max  
Withdrawal force: 0.62 kgf max  
Life cycle: 500 mating cycles

### Environmental Requirements

Cold test: -25 °C for 2 hours without deformation  
Heat test: 85 °C for 16 hours while maintaining minimum  $10^8 \Omega$  insulation resistance

### Assembly info

Wire guage: 26 AWG max ( $\varnothing 0.55$  mm)  
Panel cutout:  $\varnothing 5.1$  mm recommended



SECTION A-A

Revision:	Date:	Description:	Prepared:	Notes:	<h1>TENSILITY</h1> <p>tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com</p>	
A	8/7/2018	Initial release	Verified:	RoHS compliant		
A1	12/10/2018	Updated notes	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: 54-00102
				Description: Connector, M5 A-code socket, 3 pin, 5xL13.7 mm, panel mount, solder cup, gold plated, IP67	Scale: 3:1	Sheet 1 of 1