

**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 Pin: brass, gold-flashing
- ③ Shell: brass, nickel plated
- ④ O-ring: Silicone rubber
- ⑤ Hexagonal nut: brass, nickel plated
- ⑥ 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**

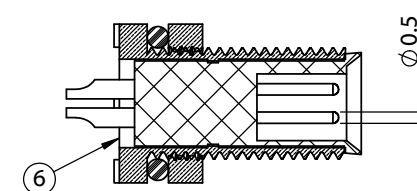
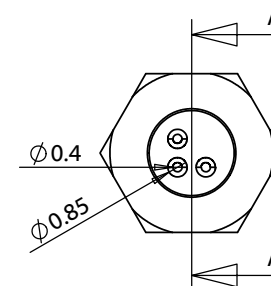
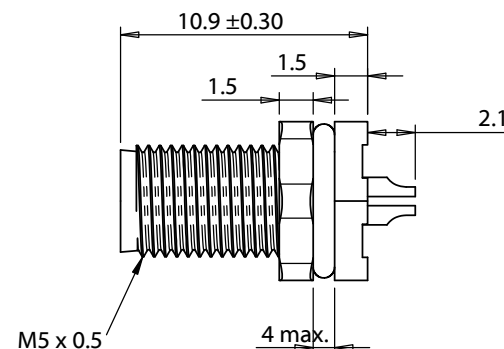
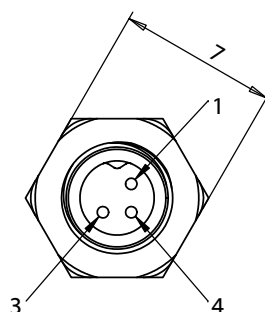
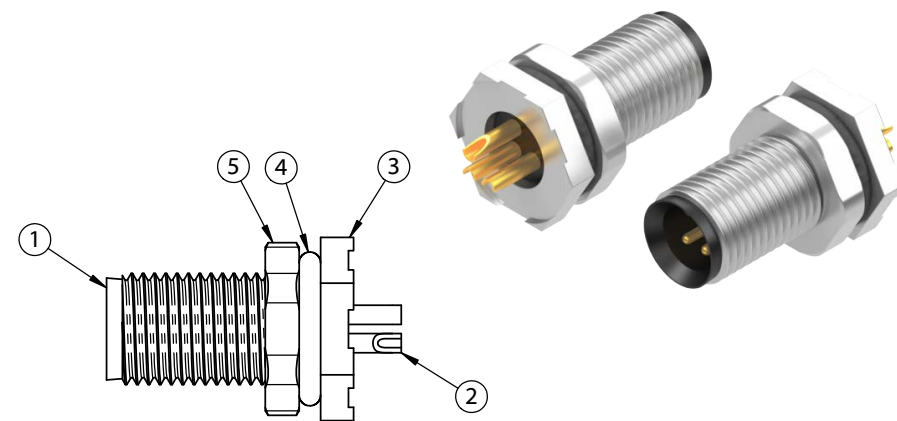
Insertion force: 0.82 kgf max  
Withdrawal force: 0.62 kgf max  
Life cycle: 500 mating cycles

**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:	<b>TENSILITY</b> tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com	
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:	Part number:
				Description:	A	54-00095
				Connector, M5 A-code plug, 3 pin, 5xL13 mm, panel mount, solder cup, gold plated, IP67	Scale: 3:1	Sheet 1 of 1