## Ratings

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

# Operating Temperature Range $-40 \sim 85 \, ^{\circ}\text{C}$

### 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:  $10 \text{ m}\Omega$  or less

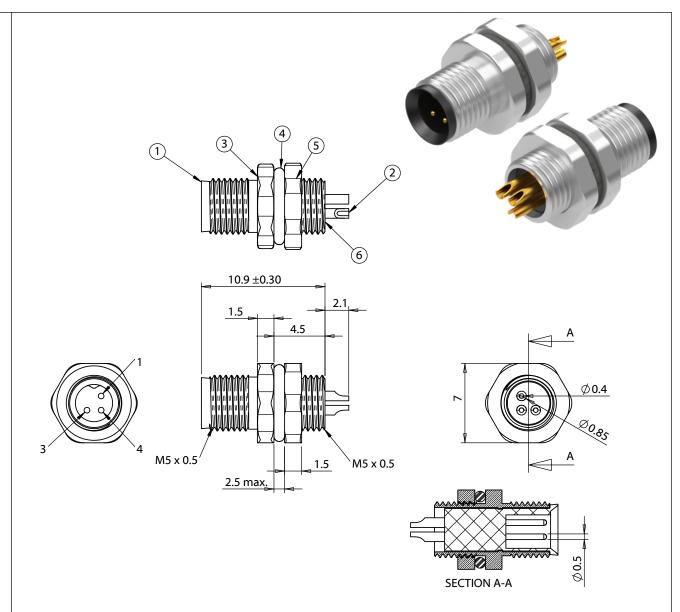
Mechanical Requirements Insertion force: 0.82 kgf max Withdrawal force: 0.62 kgf max Life cycle: 500 mating cycles

Environmental Requirements Cold test: -25 °C for 2 hours without deformation Heat test: 85 °C for 16 hours while maintaining minimum 10  $^{\rm s}$   $\Omega$ insulation resistance

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## **Assembly info**

Wire guage: 26 AWG max (Ø0.55 mm) Panel cutout: Ø5.1 mm recommended



Revision:	Date:	Description:	Prepared:	Notes:					
Α	8/7/2018	Initial release		RoHS compliant				NSIL	ITY
A1	12/10/2018	Updated notes	Verified:	Function test: no open, no short circuit, no intermittent		tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com			
			Dimensions are in						
			millimeters. Tolerances: X: ± 0.3 mm	Description: Connector, M5 A-code plug, 3 pin, 5xL13 mm, panel mount, solder cup, gold plated, IP67		Size: Part number:			
						Α	54-00093		
			X.X: ± 0.1 mm X.XX: ± 0.05 mm			Scale:	3:1		Sheet 1 of 1

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