

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
- 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: 10⁸ Ω min
Contact resistance: 10 mΩ or less

Mechanical Requirements

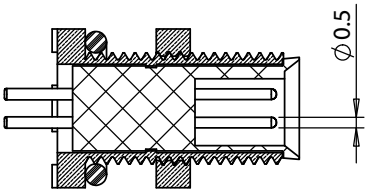
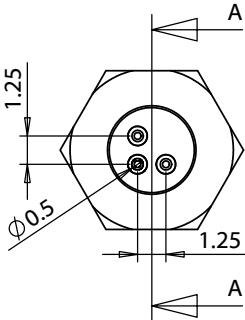
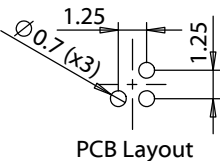
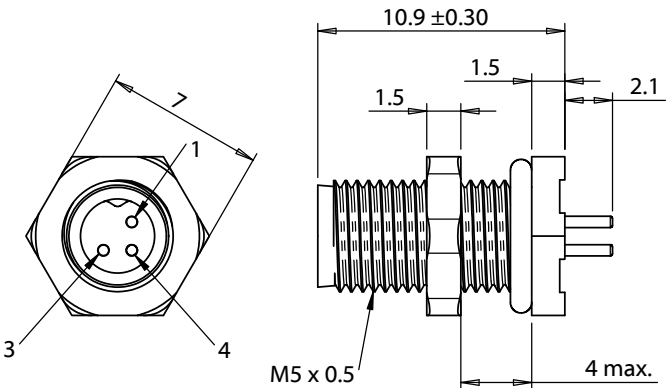
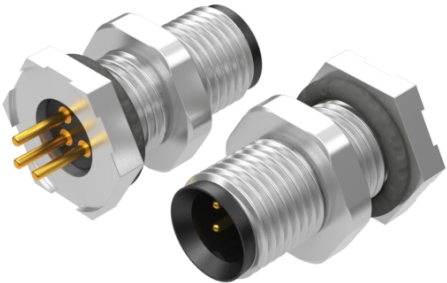
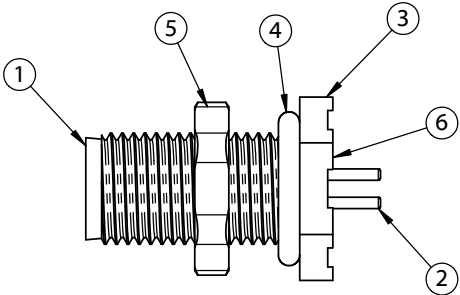
Insertion force: 0.82 kgf max
Withdrawal force: 0.62 kgf max
Life cycle: 500 mating cycles

Environmental Requirements

Cold test: -25 °C for 2 hours without deformation
Heat test: 85 °C for 16 hours while maintaining minimum 10⁸ Ω insulation resistance

Assembly info

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



Revision:	Date:	Description:	Prepared:	Notes:	TENSILITY 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	Added PCB layout	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: 54-00094
				Description: Connector, M5 A-code plug, 3 pin, 5xL13 mm, panel mount, thru hole, gold plated, IP67	Scale: 3:1	Sheet 1 of 1