

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

Electrical Requirements

Dielectric strength: 1 min @ 500 Vac
Insulation resistance: 10⁸ Ω min
Contact resistance: 10 mΩ or less

Mechanical Requirements

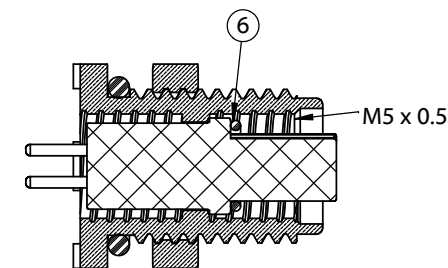
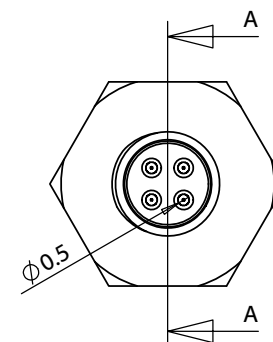
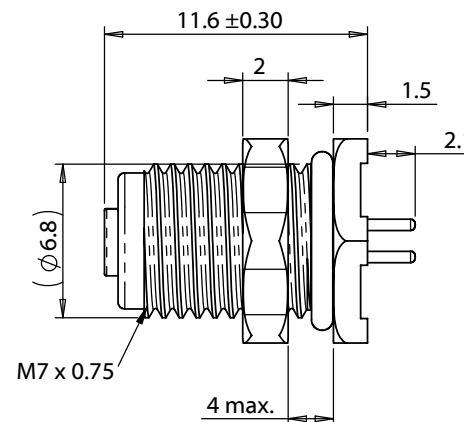
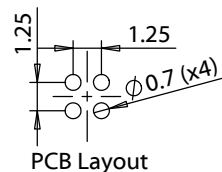
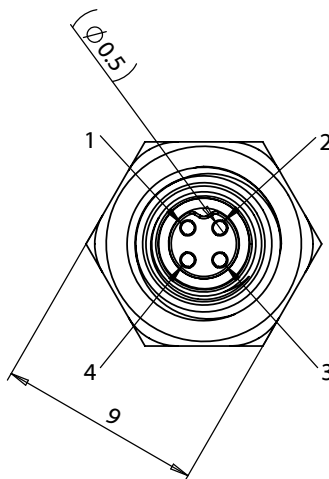
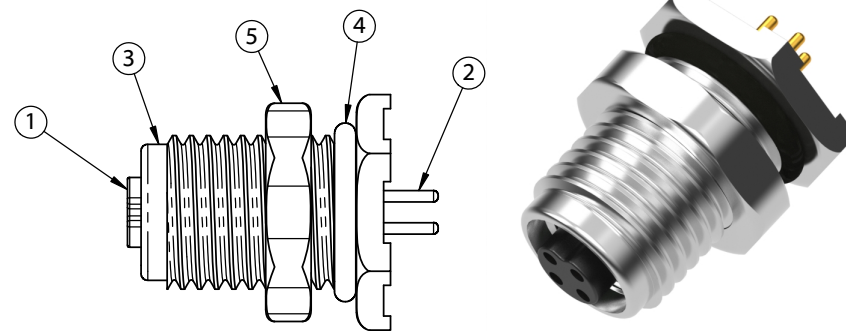
Insertion force: 0.82 kgf max
Withdrawal force: 0.62 kgf max
Life cycle: 500 mating cycles

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

Panel cutout: Ø7.1 mm recommended



SECTION A-A

Revision:	Date:	Description:	Prepared:	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com	
A	3/5/2019	Initial release	Verified:	RoHS compliant Function test: no open, no short circuit, no intermittent		
			Dimensions are in millimeters. Tolerances: X: ± 0.3 mm X.X: ± 0.1 mm X.XX: ± 0.05 mm	Description:	Size:	Part number:
				Connector, 4 pin M5 socket, 5xL13.7mm, gold plated, panel mount, PCB, IP67	A	54-00154
					Scale: 3:1	Sheet 1 of 1