

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

Operating Temperature Range
-40 ~ 85 °C

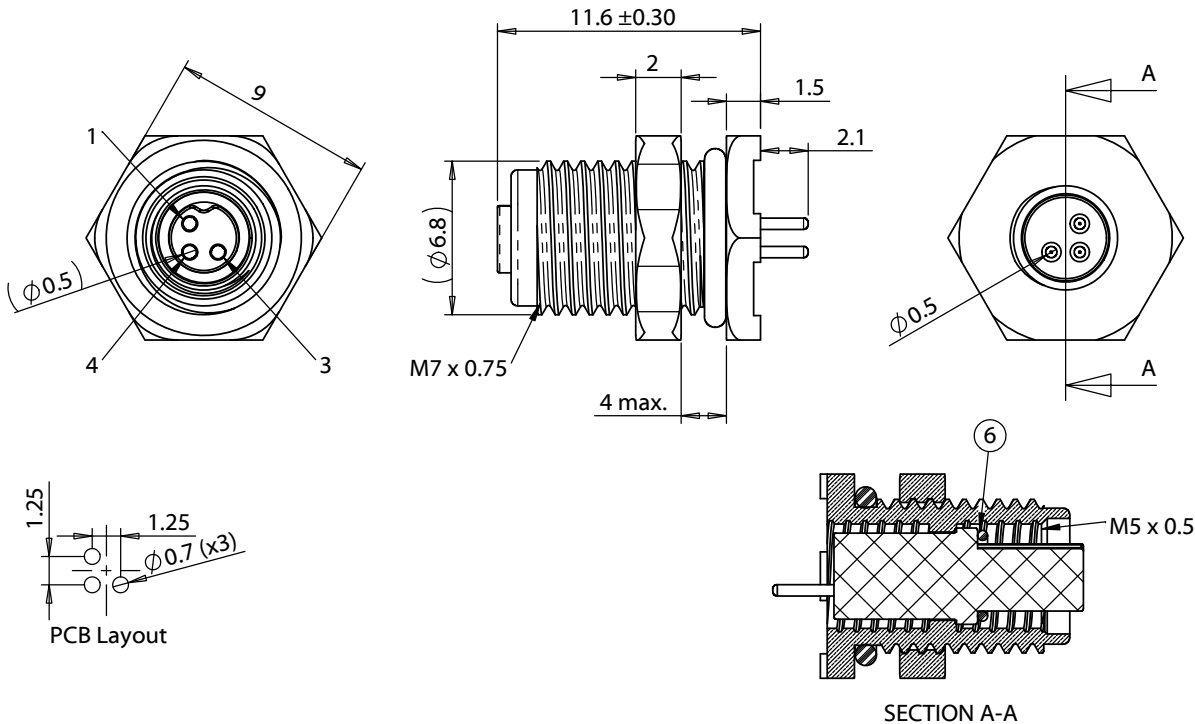
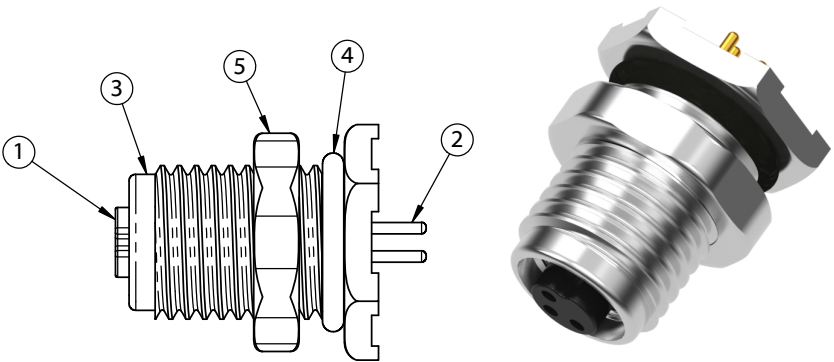
Materials
① Insulator: Nylon 66 + 30% glass fiber, black
② Sleeve: brass, gold-flashing
③ Shell: brass, nickel plated
④ O-ring: rubber
⑤ Hexagonal nut: brass, nickel plated
⑥ O-ring: rubber

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



Revision:	Date:	Description:	Prepared:	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com		
A	12/18/2018	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: Connector, 3 pin M5 socket, 5xL13.7mm, gold plated, panel mount,PCB, IP67	Size: A	Part number: 54-00153	Sheet 1 of 1
					Scale: 3:1		