

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

Operating Temperature Range
-40 ~ 85 °C

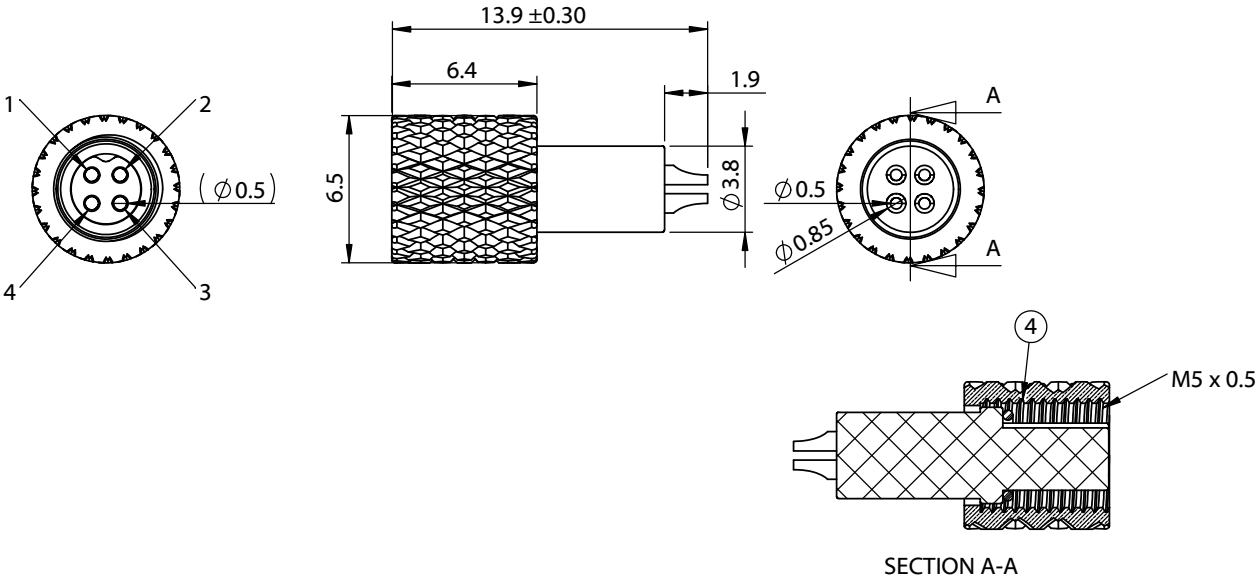
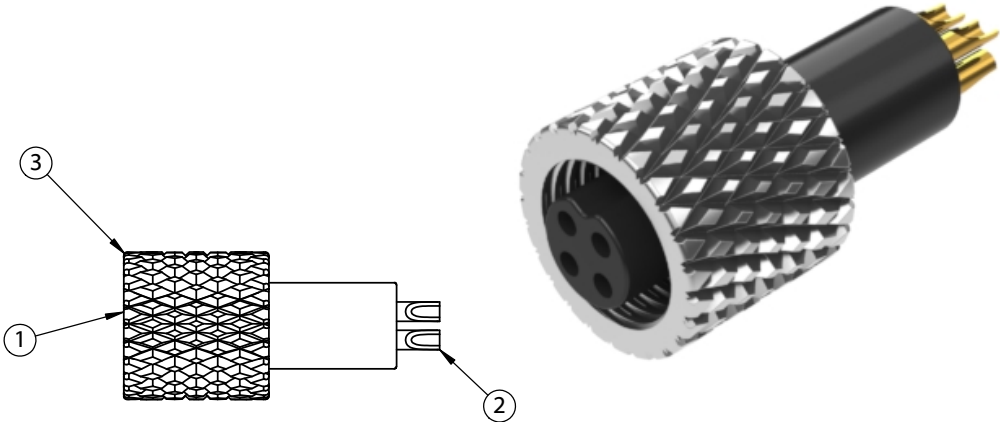
Materials
① Insulator: Nylon 66 + 30% glass fiber, black, UL 94 HB
② Pin: phosphor copper, gold-flashing
③ Shell: brass, nickel plated
④ O-ring: Silicone rubber

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
Wire guage: 26 AWG max (Ø0.5 mm)



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	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 50-00605		
				Connector, M5 A-code socket, 4 pin, 5xL14.5 mm, molding style, solder cup, gold plated, IP67	Scale: 3:1		
					Sheet 1 of 1		