

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: brass, gold-flashing
- ③ Shell: brass, nickel plated

Electrical Requirements

Dielectric strength: 1 min @ 500 Vac
Insulation resistance: $10^8 \Omega$ min
Contact resistance: 10 m Ω or less

Mechanical Requirements

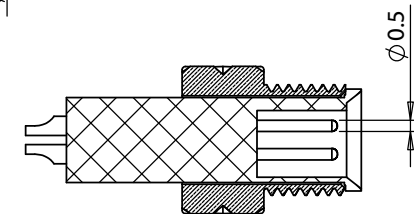
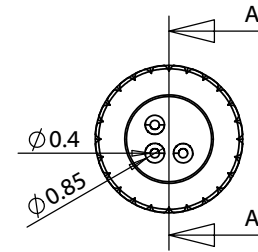
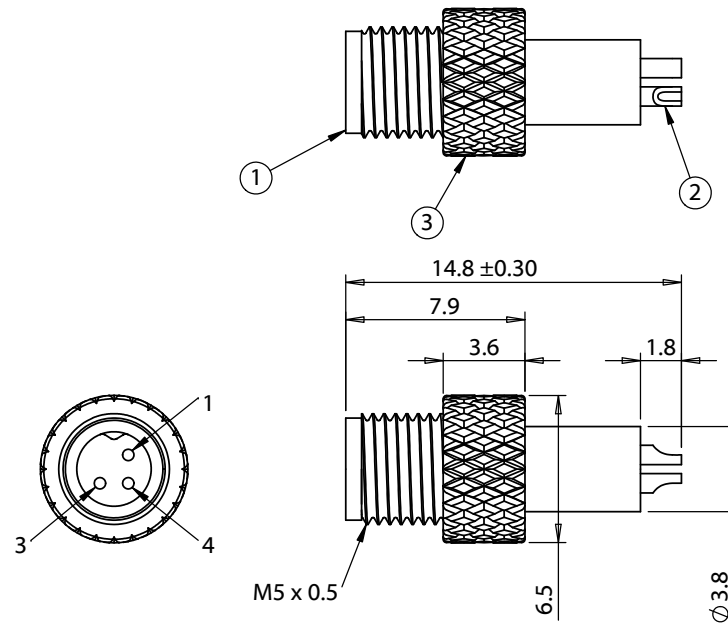
Insertion force: 0.82 kgf max
Withdrawal force: 0.62 kgf max
Life cycle: 500 mating cycles

Environmental Requirements

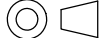
Cold test: -25 °C for 2 hours without deformation
Heat test: 85 °C for 16 hours while maintaining minimum $10^8 \Omega$ insulation resistance

Assembly info

Wire gauge: 26 AWG max ($\varnothing 0.55$ mm)



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 Size: A Part number: 50-00601 Scale: 3:1  Sheet 1 of 1
A	8/7/2018	Initial release	Verified:	RoHS compliant	
A1	12/10/2018	Updated notes	Dimensions are in millimeters.	Function test: no open, no short circuit, no intermittent	
			Tolerances:	Description:	
			X: ± 0.3 mm X.X: ± 0.1 mm X.XX: ± 0.05 mm	Connector, M5 A-code plug, 3 pin, 5xL4.8 mm, molding style, solder cup, gold plated, IP67	