Style M8 Plug, shielded 3 pin A-coding

Ratings Voltage: 60 V Current: 3 A

Operating Temperature Range $-40\sim105\,^{\circ}\mathrm{C}$

Materials

(1) Insulator: PA66, UL94, HB, black (2) Pin: C3604 brass, gold flashing (3) Nut: C3604 brass, nickel plated (4) Shell: C3604 brass, nickel plated

Electrical Requirements
Dielectric strength: 1 min @ 500 Vac
Insulation resistance: 100 M Ω @ 500 Vdc
Contact resistance: 10 m Ω or less

Mechanical Requirements

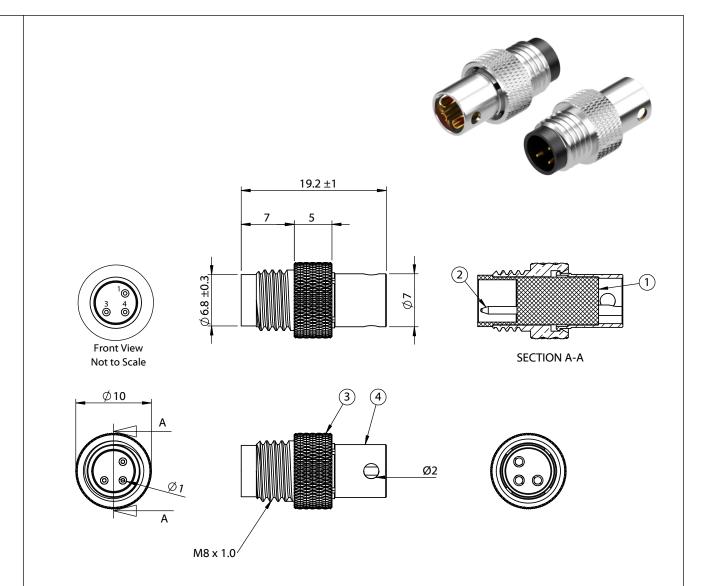
Life cycle: 1000 mating cycles minimum

Environmental Requirements Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 24 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 m Ω . Waterproof: IP67

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Assembly Info

Wire gauge: 24 AWG max



Revision:	Date:	Description:	Prepared:	Notes:					
Α	8/20/21	Initial Release		RoHS compliant			NSII	ITY	
			Verified: Dimensions are in millimeters. Tolerances: X: ± 0.3 mm	Function test: no open, no short circuit, no intermittent		tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com			
				Description:	Size: Part number:				
				Connector, 3 pin M8 plug, 8x19.2 mm, gold plated, molding style, solder cup, IP67, shielded	Α	А 50-00679			
			X.X: ± 0.1 mm X.XX: ± 0.05 mm		Scale:	2:1		Sheet 1 of 1	

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