Style

M12 Socket, shielded 6 pin A-coding

Ratings

Voltage: 30 V Current: 2 A

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

Materials

- (1) Insulator: Polyamide 66 (PA66), UL94 HB, black
- (2) Pin: C5191 phosphor bronze, gold plated (3) Shell: C3604 brass, nickel plated (4) Nut: C3604 brass, nickel plated

- (5) O-ring: Nitrile rubber, green/black

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

Mechanical Requirements

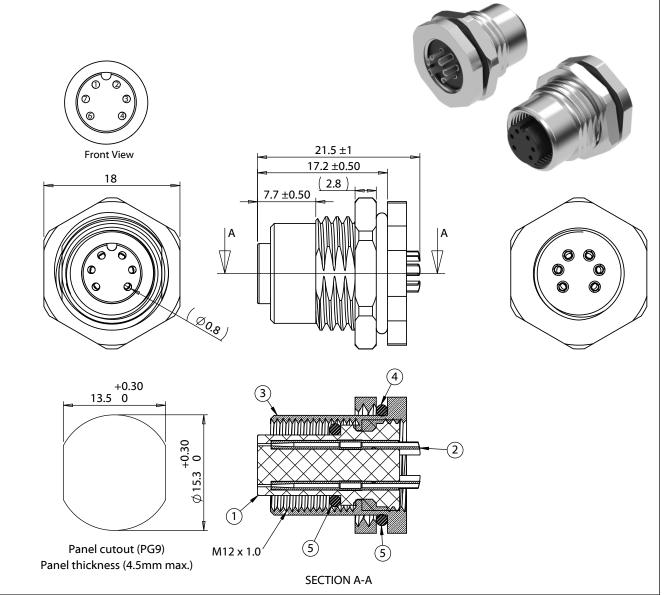
Life cycle: 500 mating cycles minimum

Environmental Requirements Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 48 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	10/1/2020	Initial release		RoHS compliant			NSIL	ITY
			Tolerances:	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			
				Connector, 6 pin M12 A-code socket, 12xL21.5mm, gold plated, panel mount, solder cup, IP67	Size: Part number: A 54-00243			
					Scale:	2:1		Sheet 1 of 1