Style

M12 Socket, shielded 8 pin X-coding

Ratings

Voltage: 48 V Current: 0.5 A

Operating Temperature Range

-40~105℃

Materials

- 1) Insulator: Polyamide 66 (PA66), UL94 HB, black
- (2) Pin: C3604 brass, gold flashing
- (3) M12 Shell: Zinc Alloy, nickel plated

- (4) Outer Shell: Zinc Alloy, nickel plated (5) Collet nut: Zinc Alloy, nickel plated (6) Collet: Polyamide 66 (PA66), UL94 HB
- (7) O-ring: Nitrile rubber, black & green

Electrical Requirements
Dielectric strength: 1 min @ 500 Vac
Insulation resistance: 100 MΩ @ 500 Vdc Contact resistance: $10 \text{ m}\Omega$ or less

Mechanical Requirements

Life cycle: 500 mating cycles minimum

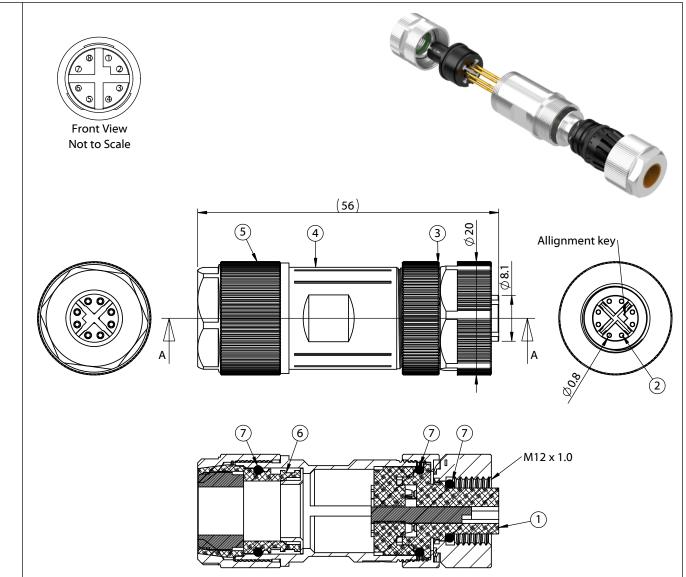
Environmental Requirements
Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 48 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 m Ω . Waterproof: IP67

Assembly Info

Wire gauge: 24 AWG max Wire size: Ø6~8 mm

Transmission Characteristics:

CAT6a



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Revision:	Date:	Description:	Prepared:	Notes:				
Α	5/9/2023	Initial release		RoHS compliant		TENSILITY		
			Verified: Dimensions are in	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			
			millimeters. Tolerances: X: ± 0.3 mm	Description: Connector, 8 pin M12 X-code socket, L56 mm, gold plated, crimp, assembly style, IP67, shielded	Size: Part number: A 55-00191			
	X.X: ± 0.1 mm X.XX: ± 0.05 mm	plated, crimp, assembly style, IP67, snielded	Scale:	: 3:2 (Sheet 1 of 1		

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