

Style

M12 Plug, shielded
5 pin
D-coding

Ratings

Voltage: 60 V
Current: 4 A

Operating Temperature Range

-40~105 °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: Silicone rubber
- ⑥ Epoxy: Epoxy resin

Electrical Requirements

Dielectric strength: 1 min @ 500 Vac
Insulation resistance: 100 MΩ @ 500 Vdc
Contact resistance: 10 mΩ or less

Mechanical Requirements

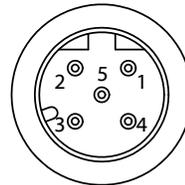
Life cycle: 500 mating cycles minimum

Environmental Requirements

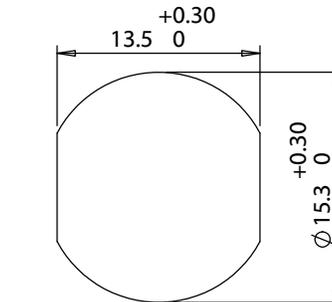
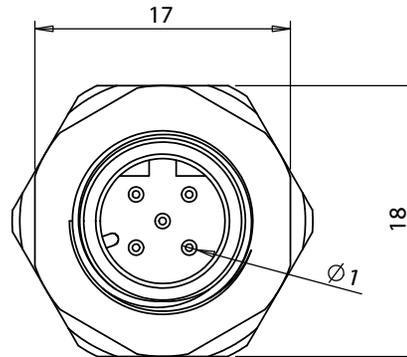
Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 48 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 mΩ.
Waterproof: IP67

Assembly Info

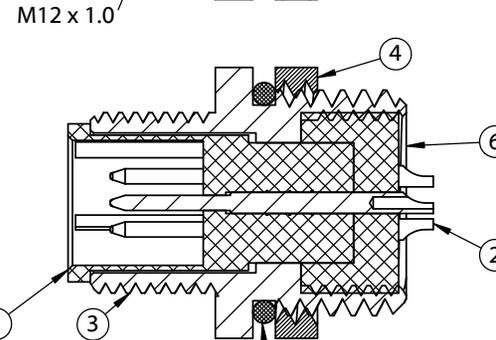
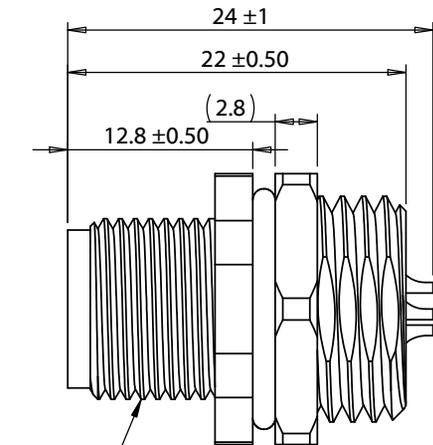
Wire gauge: 22 AWG max



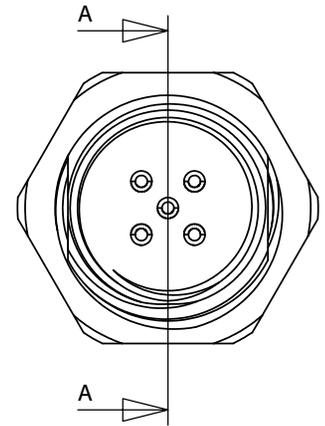
Front View
Not to Scale



Panel cutout (PG9)
Panel thickness (4.5mm max.)



SECTION A-A



Revision:	Date:	Description:
A	2/2/2023	Initial release

Prepared:	Notes:
	RoHS compliant
Verified:	Function test: no open, no short circuit, no intermittent
Dimensions are in millimeters. Tolerances: X: ± 0.3 mm X.X: ± 0.1 mm X.XX: ± 0.05 mm	Description: Connector, M12 D-code plug, 5 pin, 12xL24 mm, panel mount, solder cup, gold plated, IP67

TENSILITY

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Size:	Part number:
A	54-00379
Scale: 2:1	Sheet 1 of 1