

Style

M12 Plug
8 pin
A-coding

Ratings

Voltage: 30 V
Current: 2 A
Ingress protection: IP67

Materials

- ① Insulator: Polyamide 66 (PA66) + GF, UL94 V-0, black
- ② Shell: C3604 Brass, Nickel plated
- ③ Nut: 56-00046, C3604 Brass, Nickel plated
- ④ Pin: C3604 Brass, Gold flash
- ⑤ O-ring: Silicone

Electrical Requirements

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

Mechanical Requirements

Life cycle: 1000 mating cycles

Environmental Requirements

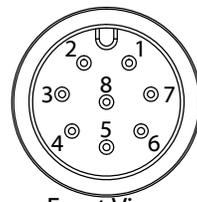
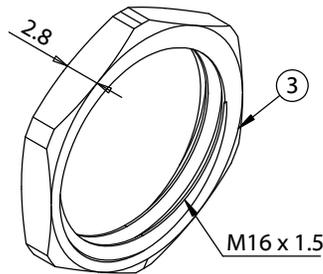
Salt spray test: 35 °C, relative humidity 90 - 95%, 5% NaCl mist for 48 hrs.

Operating Temperature Range

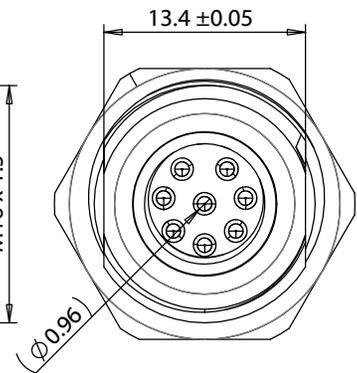
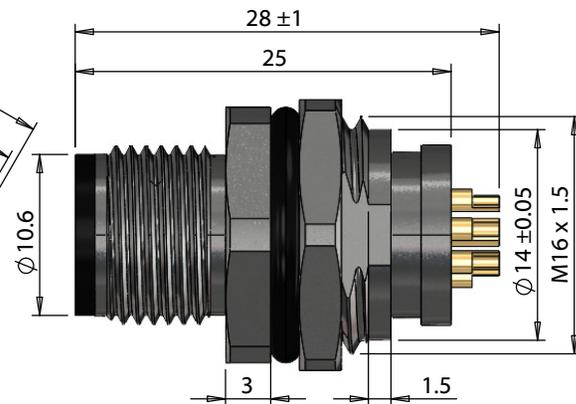
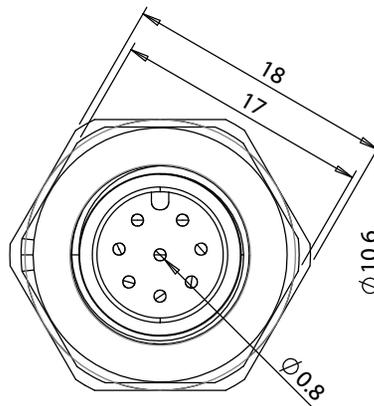
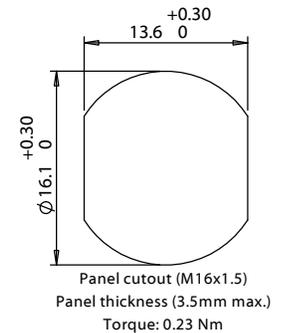
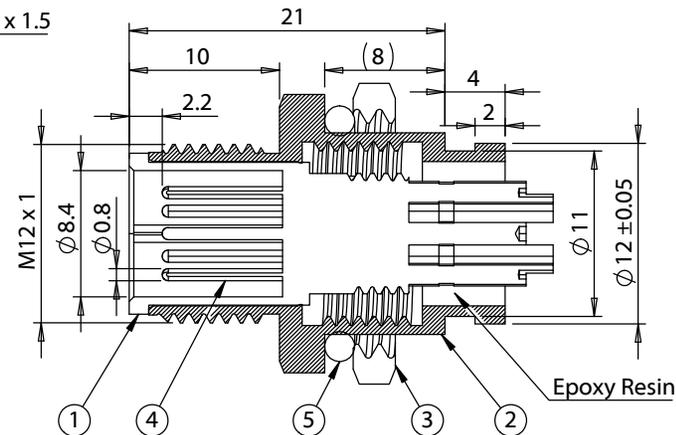
-40 ~ 105°C

Assembly info

Wire guage: 24 AWG max



Front View
Not to Scale



Revision:	Date:	Description:
A	12/01/25	Initial release

Prepared:
Verified:
Dimensions are in millimeters. Tolerances: X: ± 0.3 mm X.X: ± 0.1 mm X.XX: ± 0.05 mm

Notes:
RoHS compliant
Description:
Connector, M12 A-code plug, 8 pin, 12xL28 mm, panel mount, molding style, solder cup, gold plated, IP67

TENSILITY

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Size:	Part number:
A	54-00538
Scale:	2:1
Sheet 1 of 1	