

Style

M12 Plug
4 pin
T-coding

Ratings

Voltage: 63 Vdc
Current: 12 A

Operating Temperature Range

-40 ~ 105 °C

Materials

- ① Insulator: Polyamide 66 (PA66), UL94 HB, black
- ② Pin: C3604 brass, 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

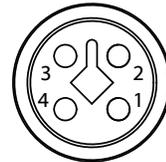
Insulation resistance: 100 MΩ @500 Vdc
Contact resistance: 10 mΩ or less

Mechanical Requirements

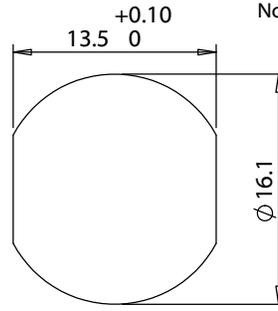
Life cycle: 500 mating cycles minimum

Environmental Requirements

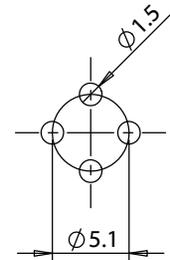
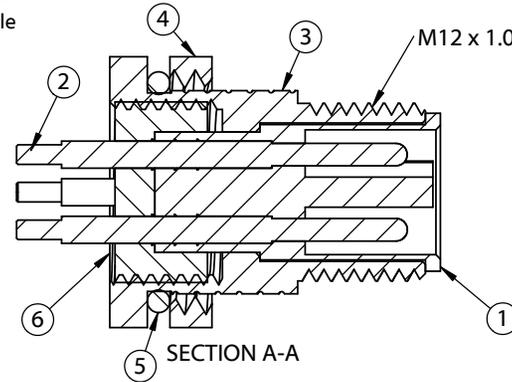
Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 48 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 mΩ
Waterproof: IP67



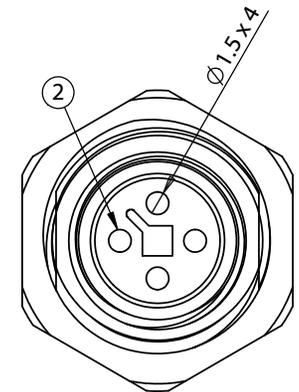
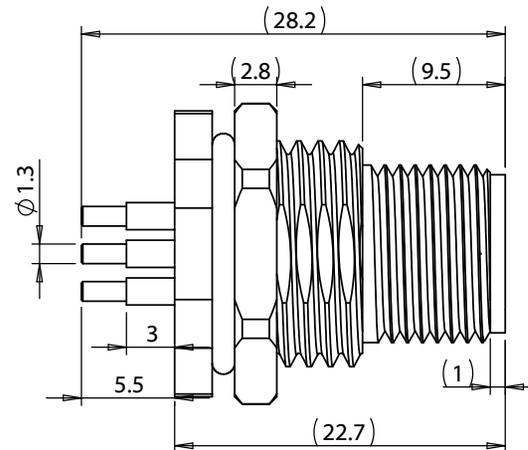
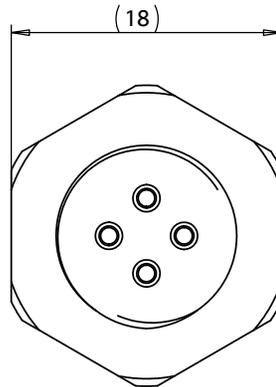
Front View
Not to scale



Panel cutout (M16 x 1.5)
Panel thickness (4.5mm max.)



PCB Layout



Revision:	Date:	Description:
A	03/12/2025	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
Function test: no open, no short circuit, no intermittent
Description:
Connector, M12 T-code plug, 4 pin, 12xL28.2 mm, panel mount, thru hole, gold plated, IP67

TENSILITY

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Size:	Part number:
A	54-00445
Scale: 2:1	Sheet 1 of 1