

Style

M12 Plug
4 pin
S-coding

Ratings

Voltage: 630 Vac
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

Electrical Requirements

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

Mechanical Requirements

Life cycle: 500 mating cycles minimum

Environmental Requirements

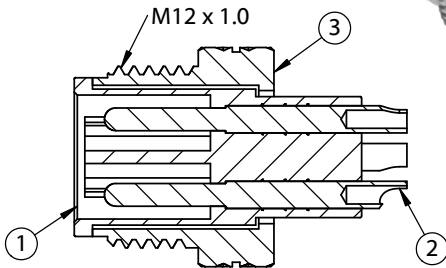
Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 48 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 mΩ
Waterproof: IP67

Assembly Info

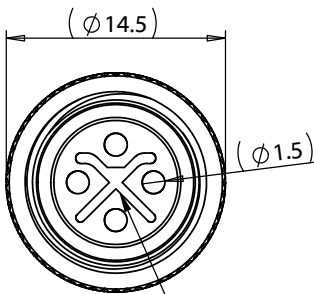
Wire gauge: 18 AWG max



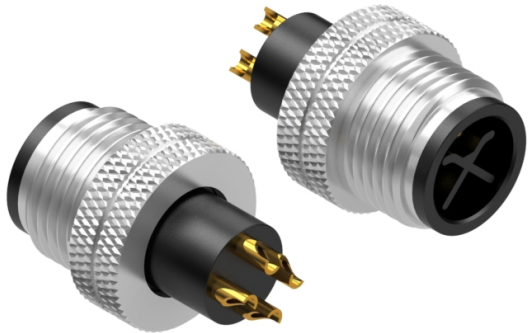
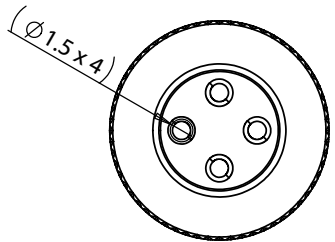
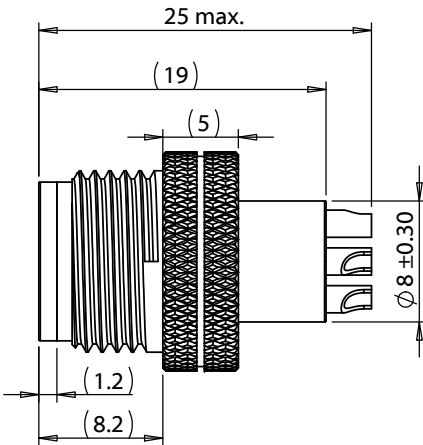
Front View
Not to scale



SECTION A-A



Alignment key



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 S-code plug, 4 pin, 12xL25 mm, molding style, solder cup, gold plated, IP67

TENSILITY		
tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com		
Size: A	Part number: 50-01054	
Scale: 2:1		Sheet 1 of 1