

Style

M12 Plug, shielded
3 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 M12 Shell: C3604 brass, nickel plated
- ④ O-ring: Silicone rubber
- ⑤ 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

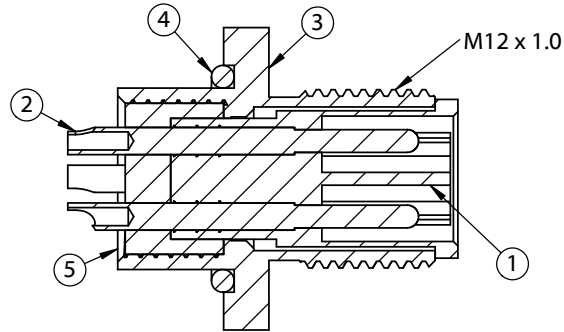
Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 48 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 mΩ.
Waterproof: IP67

Assembly info

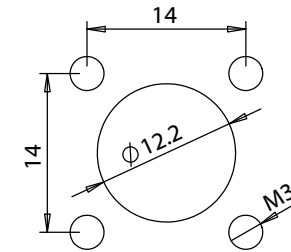
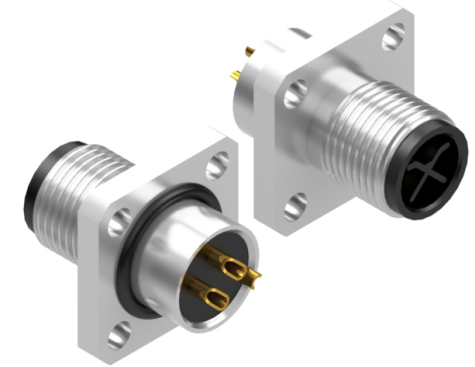
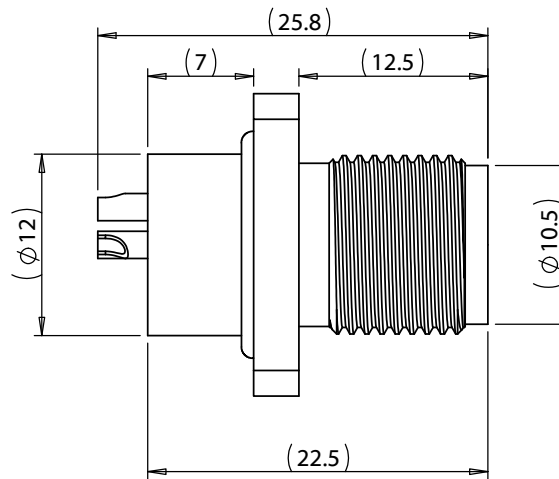
Wire gauge: 18 AWG max



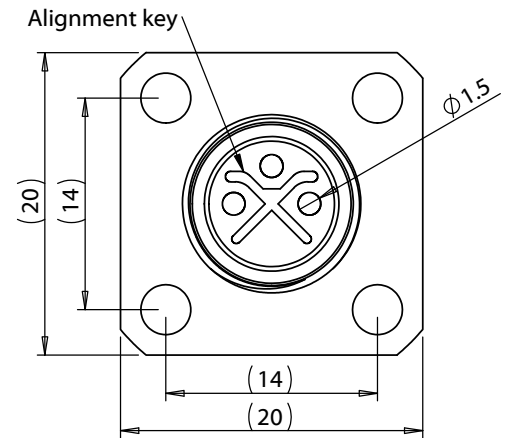
Front View
Not to Scale

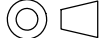


SECTION A-A



Panel cut-out
Not to Scale



Revision:	Date:	Description:	Prepared:	Notes:	<div>TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com</div> <div>Size: Part number: A 55-00460</div> <div>Scale: 2:1  Sheet 1 of 1</div>	
A	03/11/2025	Initial release	Verified:	RoHS compliant 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 S-code plug, 3 pin, 12xL25.8 mm, gold plated, flange mount, solder cup, IP67, shielded		