

Style
M12 Plug, shielded
4 pin
D-coding

Ratings
Voltage: 250 V
Current: 4 A

Operating Temperature Range
-40~105°C

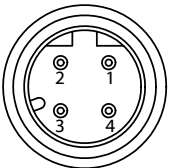
Materials
① Insulator: Polyamide 66 (PA66), UL94 HB, black
② Pin: Brass, gold flashing
③ M12 Shell: Brass, nickel plated
④ O-ring: Nitrile rubber, black
⑤ Epoxy: Epoxy resin

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

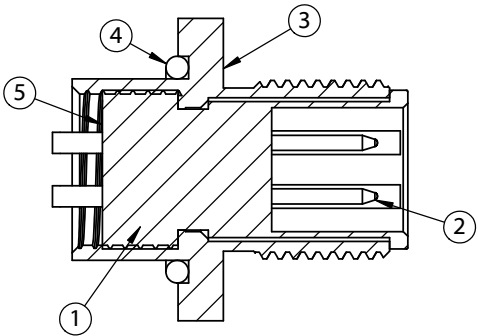
Mechanical Requirements
Life cycle: 500 mating cycles minimum

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

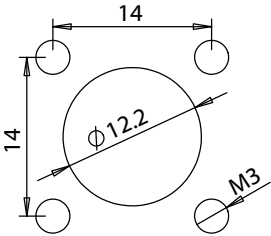
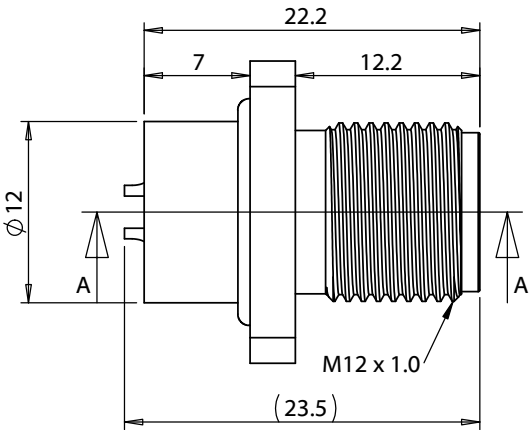
Assembly info
Wire gauge: 22 AWG max



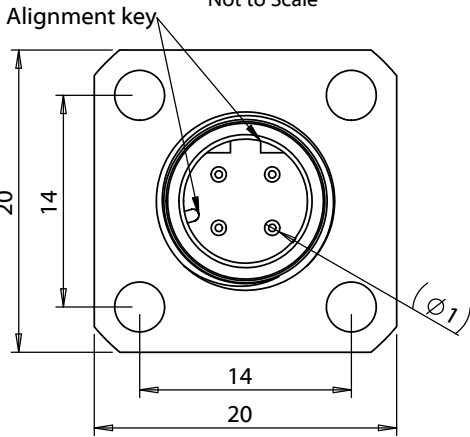
Front View
Not to Scale



SECTION A-A



Panel cut-out
Not to Scale



Revision:	Date:	Description:
A	04/09/2024	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, 4 pin M12 D-code plug, 12xL23.5mm, gold plated, flange mount, solder cup, IP67, shielded

TENSILITY	
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fax 1.541.323.4202	web tensility.com
Size:	Part number:
A	55-00244
Scale:	2:1
	Sheet 1 of 1