

Style
M12 Socket
4 pin
T-coding

Ratings
Voltage: 63 Vdc
Current: 12 A

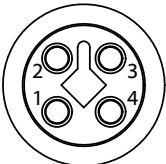
Operating Temperature Range
-40 ~ 105 °C

- Materials**
- ① Insulator: Polyamide 66 (PA66), UL94 HB, black
 - ② Pin: C5191 Phosphor bronze, gold plated
 - ③ Shell: C3604 brass, nickel plated
 - ④ Hex nut: C3604 brass, nickel plated
 - ⑤ O-ring: Silicone rubber
 - ⑥ Epoxy: Epoxy resin

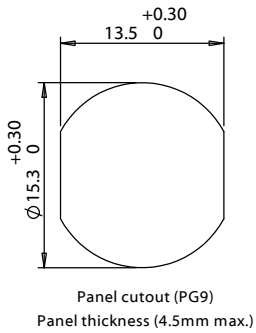
Electrical Requirements
Insulation resistance: 100 MΩ @500 Vdc
Contact resistance: 10 mΩ or less

Mechanical Requirements
Life cycle: 500 mating cycles minimum

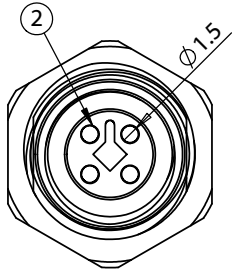
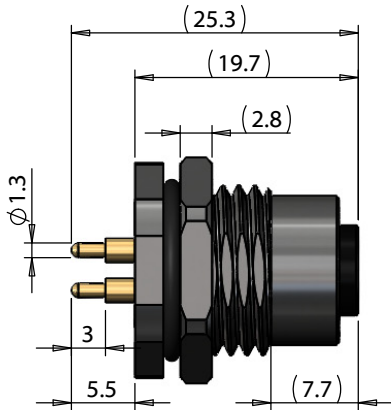
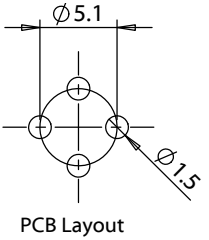
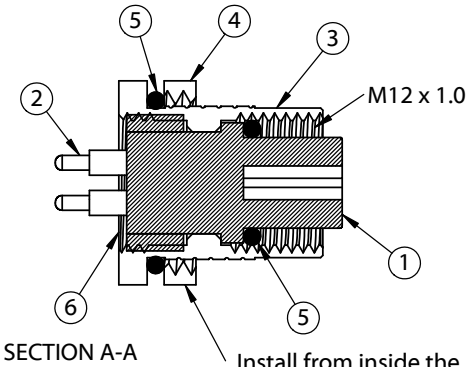
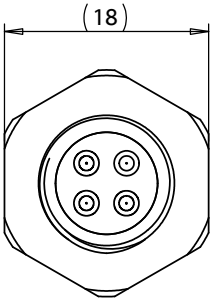
Environmental Requirements
Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 48 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 mΩ
Waterproof: IP67



Front View
Not to scale



Panel cutout (PG9)
Panel thickness (4.5mm max.)



Revision:	Date:	Description:
A	09/16/2026	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 socket, 4 pin, 12xL19.7 mm, panel mount, thru hole, 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: 54-00471
Scale: 3:2	Sheet 1 of 1