**Style**
M12 socket
4 pin
A-coding

**Ratings**
Voltage: 250 V
Current: 4 A
Ingress protection: IP67

**Materials**
(1) Insulator: Polyamide 66 (PA66) + GF, UL94 V-0, black
(2) Shell: C3604 Brass, Nickel plated
(3) Nut: 56-00046, C3604 Brass, Nickel plated
(4) Pin: C3604 Brass, Gold flash
(5) O-ring: Silicone

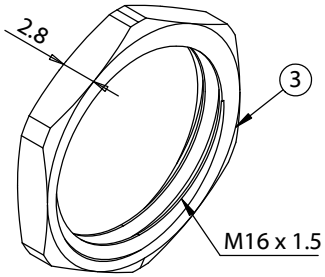
**Electrical Requirements**
Dielectric strength: 1 min @ 500 Vac
Insulation resistance: 100 MΩ 500 Vdc
Contact resistance: 10 mΩ or less

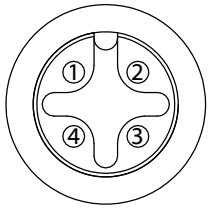
**Mechanical Requirements**
Life cycle: 1000 mating cycles

**Environmental Requirements**
Salt spray test: 35 °C, relative humidity 90 - 95%, 5% NaCl mist for 48 hrs.

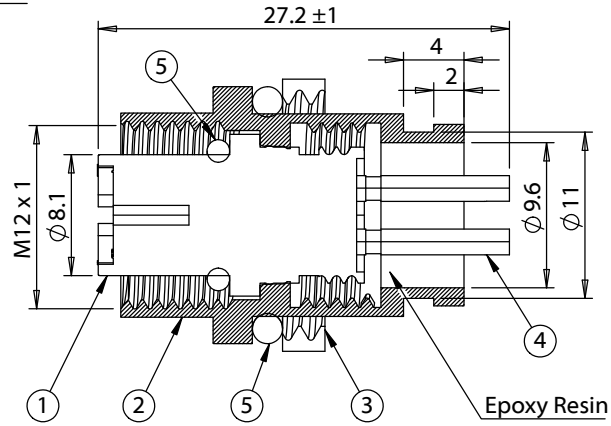
**Operating Temperature Range**
-40 ~ 105°C

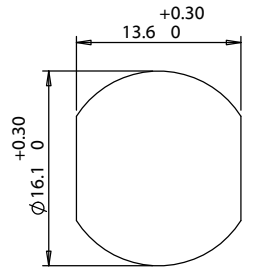
**Assembly info**
Wire guage: 22 AWG max



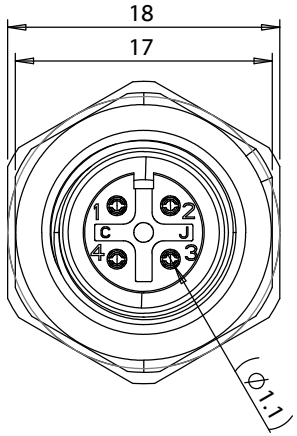


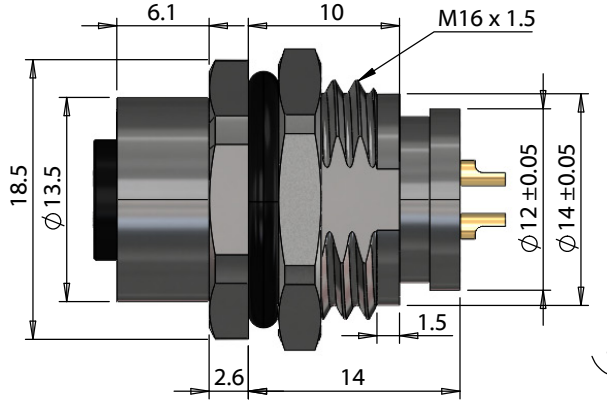
Front View
Not to Scale

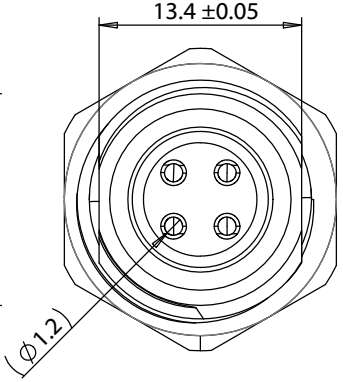


Panel cutout (M16x1.5)
Panel thickness (4.5mm max.)
Torque: 0.23 Nm




| Revision: | Date: | Description: |
|---|---|---|
| A | 12/01/25 | Initial release |
| | | |
| | | |
| | | |
| | | |

Prepared:
CR
Digitally signed by CR
Date: 2025.12.01 14:53:29 -08'00'

Verified:
KM
Digitally signed by KM
Date: 2025.12.01 15:41:04 -08'00'

Dimensions are in millimeters.
Tolerances:
X: ± 0.3 mm
X.X: ± 0.1 mm
X.XX: ± 0.05 mm

Notes:
RoHS compliant

Description:
Connector, M12 A-code socket, 4 pin, 12xL27.2 mm, panel mount, 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: 54-00540
Scale: 2:1
Sheet 1 of 1


To see a custom version of this cable assembly, call Tensility at 541-323-3228 or email engineering@tensility.com


5 4 3 2 1