### Ratings

Voltage: 60 V Current: 1 A Waterproof: IP 67

# Operating Temperature Range $-40 \sim 85 \,^{\circ}\text{C}$

#### Materials

- 1 Insulator: Nylon 66 + 30% glass fiber, black 2 Pin: brass, gold-flashing
- (3) Shell: brass, nickel plated
- (4) O-ring: rubber
- (5) Hexagonal nut: brass, nickel plated

# **Electrical Requirements**

Dielectric strength: 1 min @ 500 Vac Insulation resistance: 10<sup>8</sup> Ω min Contact resistance:  $10 \text{ m}\Omega$  or less

## **Mechanical Requirements**

Insertion force: 0.82 kgf max Withdrawal force: 0.62 kgf max Life cycle: 500 mating cycles

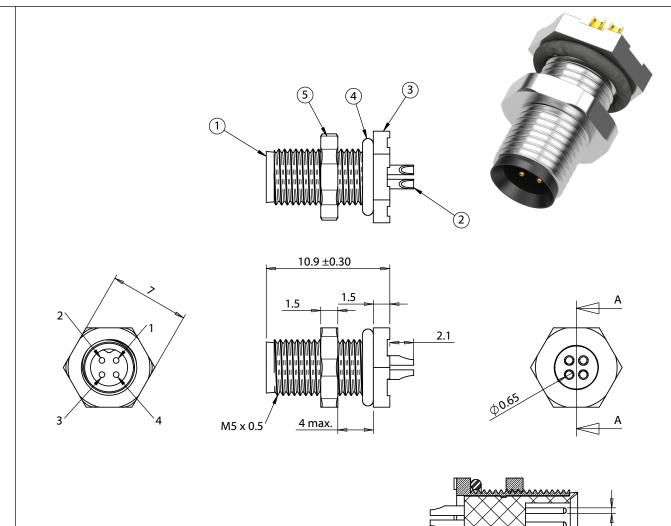
# **Environmental Requirements**

Cold test: -25 °C for 2 hours without deformation Heat test: 85 °C for 16 hours while maintaining minimum  $10^8 \,\Omega$ insulation resistance

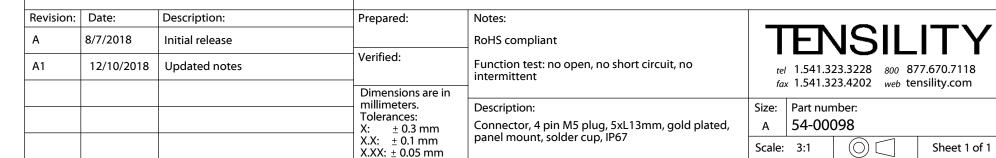
5

### Assembly info

Wire guage: 26 AWG max (Ø0.55 mm) Panel cutout: Ø5.1 mm recommended



**SECTION A-A** 



3 2