Materials

- 1. Insulator: Nylon PA46, black
- 2. Center terminal: C5191 brass, 2 µm nickel plated
- 3. Shell: C2700 brass, 2 µm nickel plated
- 4. Ground terminal: C2680 brass, 2 µm nickel plated

Electrical Requirements

Dielectric strength: 1 min @ 500 Vac Insulation resistance: 100 MΩ @ 500 Vdc Contact resistance: 30 m Ω or less

Mechanical Requirements

Insertion force: 0.3-3 kgf

Withdrawal force: 0.3-3 kgf Life cycle: 5000 mating cycles while maintaining 0.3 kgf min. insertion force, 0.2 kgf min. withdrawal force and less than 100 m Ω contact resistance.

Environmental Requirements

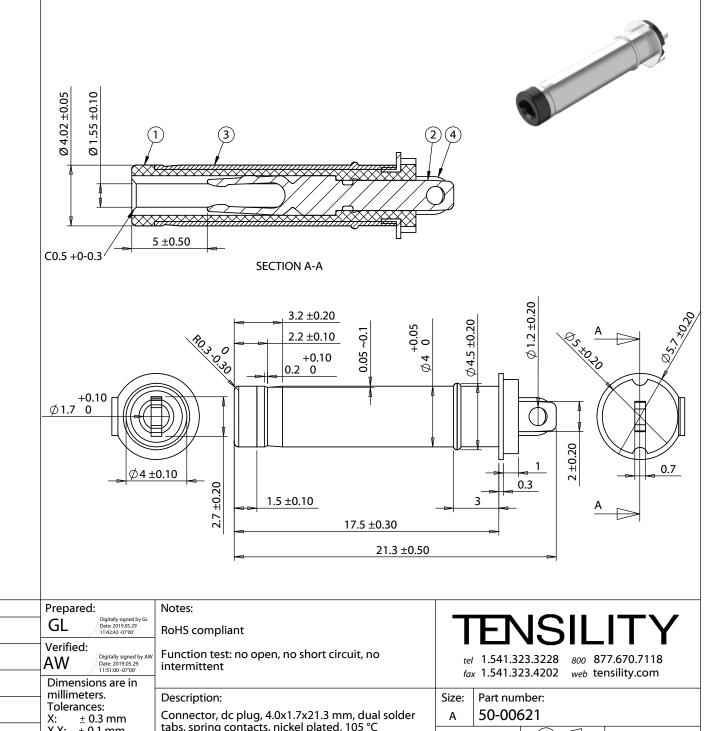
Date:

4/17/2019

Revision:

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- Heat test: 70 °C, relative humidity 70-85% for 96 hours while maintaining contact resistance: 100 m Ω or less, insulation resistance: 50 MQ @ 500 Vdc, without looseness or deformation
- Humidity test: 40 °C, relative humidity 90-100% for 96 hours while maintainng dielectric strength: 1 min @ 500 Vac. insulation resistance: 50 M Ω @ 500 Vdc, contact resistance: 100 m Ω or less
- Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 24 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 80 m Ω .



Scale: 4:1

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Sheet 1 of 2

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Description:

Initial release

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X.X: ± 0.1 mm

X.XX: ± 0.1 mm

