Materials

- 1. Insulator: PBT + 15% glass fiber, black
- 2. Terminal: C5191 phosphor bronze, 2 µm nickel plated
- 3. Shell: C3604 brass, 2 µm nickel plated

Electrical Requirements

Dielectric strength: 1 min @ 500 Vac Insulation resistance: 100 M Ω @ 500 Vdc Contact resistance: 30 m Ω maximum

Mechanical Requirements

Insertion force: 0.3-3 kgf Withdrawal force: 0.3-3 kgf

Life cycle: 5000 mating cycles while maintaining 0.3-2.0 kgf min. insertion force, 0.2-1.5 kgf min. withdrawal force and less than 100 m Ω contact resistance.

Environmental Requirements

Date:

09/02/2009

11/09/2012

12/29/2015

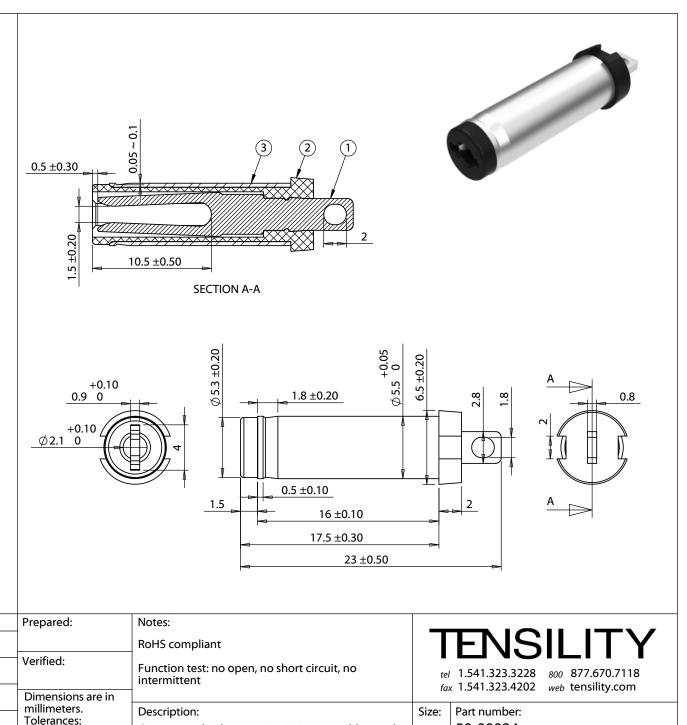
Revision:

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A1

A2

- Heat test: 70 °C, relative humidity 70-85% for 96 hours while maintaining contact resistance: 100 m Ω maximum, insulation resistance: 50 M Ω minimum, without looseness or deformation Humidity test: 40 °C, relative humidity 90-100% for 96 hours, while maintaining dielectric strength: 1 min @ 500 Vac, insulation resistance: 50 M Ω @ 500 Vdc, contact resistance: 100 m Ω maximum
- Salt spray test: 35±2 °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 mΩ.



Connector, dc plug, 5.5x2.1xL23 mm, molding style,

spring contacts

3

± 0.3 mm

X.X: ± 0.1 mm

X.XX: ± 0.05 mm

Х:

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2

Scale: 3:1

50-00024

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Sheet 1 of 2

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Description:

Initial release

Added test data

Modified tolerances

