Electrical Connections Statement

Hunting’s Titan Division designs and manufactures all of its standard electrical connections for continuous operations requiring 500 volts @ 2 Amps. This rating is based on performance testing of the component most susceptible to high current. All other components utilized have ratings greater than 500 volts @ 2 Amps @ 302°F (150°C).

Typical 2 Amp rated electrical contact kit (3903-000-002) shown in Figure 1.

Note: Attempting to use the 2 Amp rated connection for higher current application may cause the Contact Spring (Figure 1, Item 6) to generate excessive heat that exceeds the thermal rating surrounding insulation components. This condition can cause the insulating material to soften or melt allowing the spring to push through the insulating material creating a short circuit in the electrical connection.
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For high current application such as Tractor operations, Hunting recommends the use of the 3903-000-502 Hi-Amp Contact Kit (Figure 2). The Hi-Amp Contact Kit is rated for operation to 750 volts @ 7.5A Amps @ 347°F (175°C).

![Figure 2](image_url)

Both the -002 Standard and the -502 Hi-Amp Contact Kits are interchangeable in Hunting’s tool connections and contact subs.

For more information regarding this Engineering Technical Bulletin - Electrical Connections Statement - please contact your Titan Division sales representative.