IXYS UK WESTCODE

Date: 19th February 2015

Issue: 1

An application note for the recommended maximum force applied to a module gate terminal

Maximum applied force for a module gate terminal

It is recommended that the appropriate connector block, shown in figures 1 and 2 for the power module is used to connect to the gate and gate return terminals. Other types of connectors are not recommended as these could lead to pin damage due to lateral shear forces.

The typical acceptable force that can be applied to the gate and gate return terminals is 5.3kgf. If the force applied to the terminal is greater than 12kgf the gate connector assembly could be damaged resulting in the pin being pushed into the plastic housing.

Ensure that the connector is correctly located before pushing the block into the connector housing.

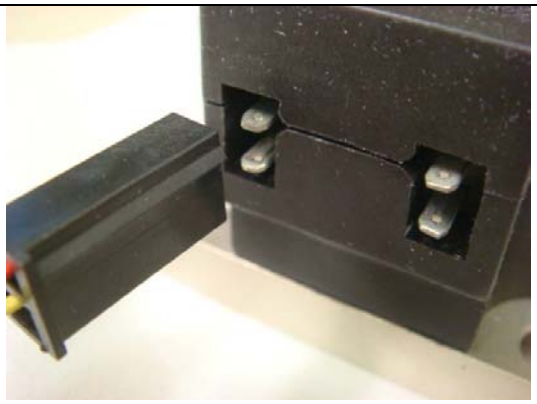

Figure 1

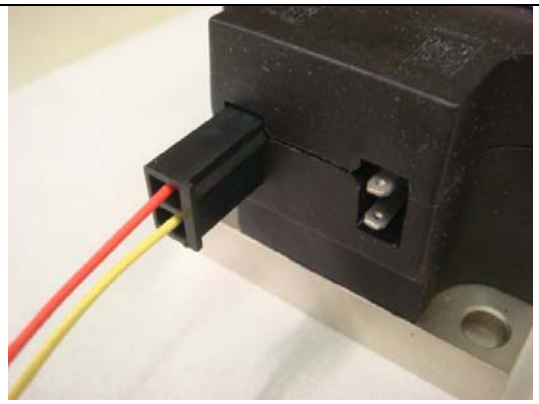

Figure 2

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