

AC Induction Motor Controller

Robust AC Motor Controller for Low Voltage Applications

Model KCCA0293

The Nidec Drive System **KCCA0293** LVAC Controller provides motor and 12 volt battery powered vehicles using an induction motor. It provides fully programmable control of the traction motor with 5 programmable inputs for active low or high voltages. The controller supports most accelerator inputs. Suitable for golf cart, boat, utility vehicle, walk-behind or rider floor care applications, and work platforms.

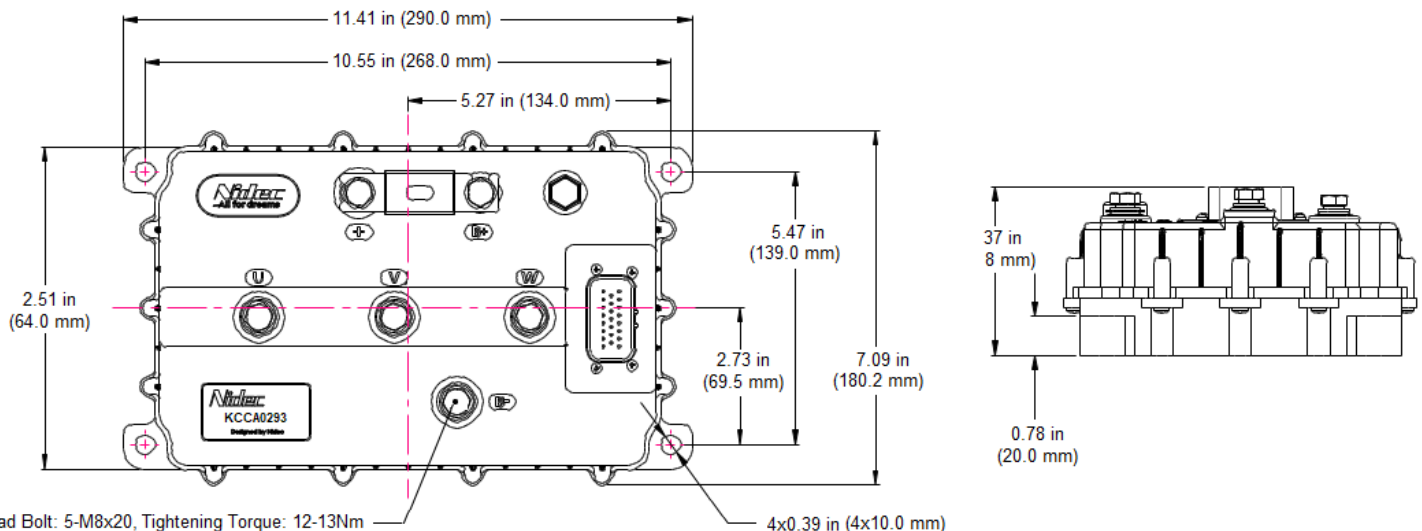
Specifications

- Operation Voltage:** 36-72 Vdc
- Traction Motor:** 2 Min. RMS Current Rate 72v – 400A
2 Min. RMS Current Rate 36v – 450A
60 Min. RMS Current Rate 200A
- Aux Output #1:** Max Current 3A, Con. Current 1A
- Aux Output #2:** Max Current 3A, Con. Current 1A
- Five Digital Inputs:** 3-State Inputs
- Accelerator Inputs:** 5V, 3 Wire 5K, 2 Wire 5K
- Net Weight:** 9.25 lb. (4.2kg)

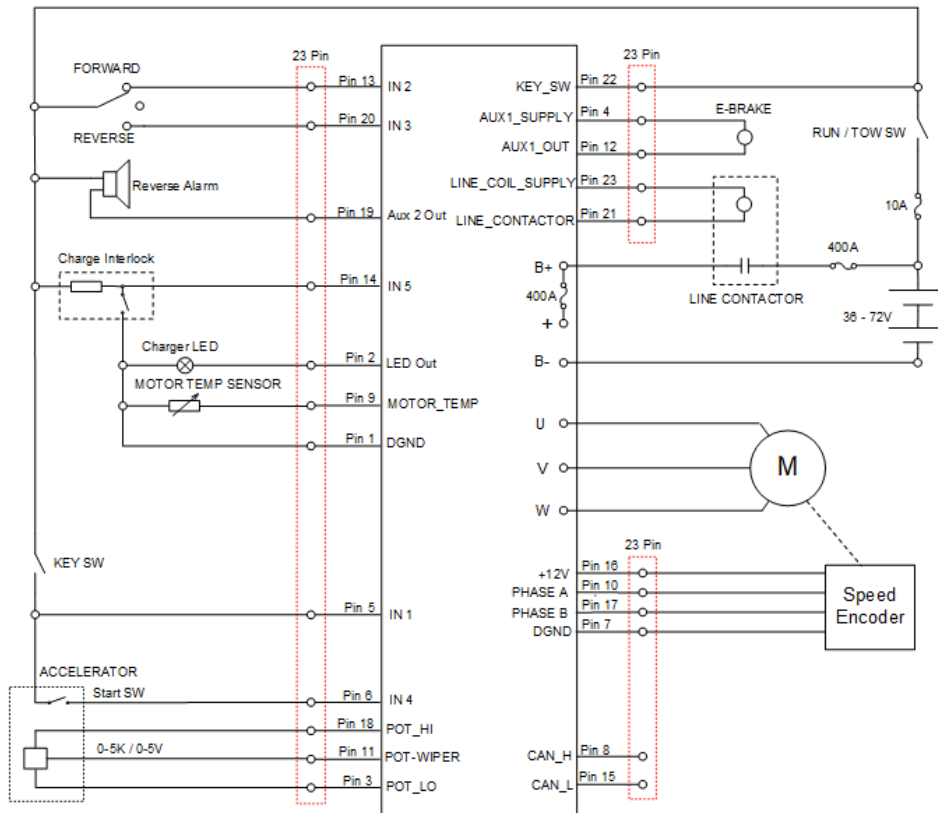
Features

- Field oriented control
- Space vector modulation
- Gradual motor performance reduction for low battery, high battery, high controller temperature, and high motor temperature
- High speed over current protection
- High speed over voltage protection
- Aux output over current protection
- CAN Bus communication
- User programmable to match application requirements and performance
- Upload and download parameter settings, upgrade firmware, and real-time variables

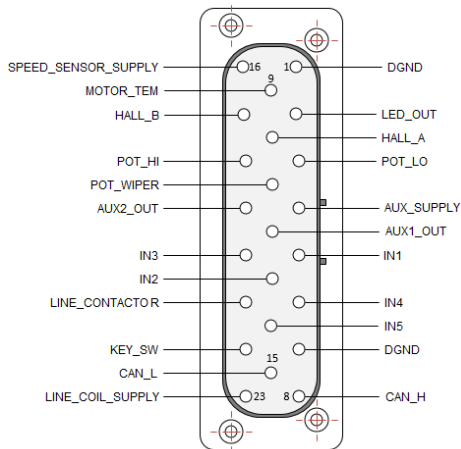
Dimensions



Typical Wiring



Connector Wiring



System Accessories

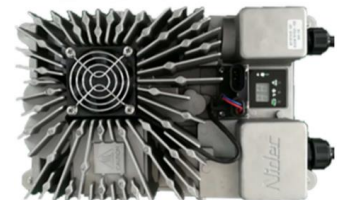
Battery Monitor



Touch Screen Instrument Panel



Battery Charger



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