CAN Newsletter Online

HEAVY DUTY VEHICLE CONTROLLER

With three CAN interfaces

The VC36PLC-24 by Vector was specially developed for communications in electrically-powered commercial vehicles.

The ECU hardware offers an interface for the standardized communication, e.g. between electric networks or urban trucks and the charging infrastructure. It features a PLC interface and three CAN interfaces for communication including shielding. The controller provides the physical interface to control the Combo-2 connector on the vehicle. In conjunction with the separately available Autosar basic software Microsar 4, the VC36PLC-24 is the solution for electric-powered commercial vehicles. It comes with a high-performance micro-controller architecture, said the company.

The operating voltage ranges from 10 V_{DC} to 32 V_{DC}. The product features a sensor supply of 5 V_{DC} with a maximum of 70 mA. The operating temperature is specified as -40 °C to +85 °C and the protection classes are IP6K6K, IP6K7, and IP6K9K. There are two local digital inputs and four analog inputs as well as four digital outputs.

The aluminum-housed product measures 156 mm x 148 mm x 39 mm (Photo: Vector)

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