



MasterBus FireCAN Interface

Makes communication between MasterBus and the central control panels in firefighting vehicles possible. Prevents flat batteries in case of an emergency!

The MasterBus FireCAN Interface interconnects between MasterBus and FireCAN, the central communication protocol in the firefighting industry. FireCAN makes it possible to have central control panels to operate a truck/installation. FireCAN is derived from the CANopen standard. The MasterBus FireCAN Interface translates the messages from MasterBus to FireCAN. This system information encompasses: input power availability, charging status, battery voltage and under/over voltage. This solution may, for example, avoid a flat battery in case of an emergency.

The information of a single battery charging device per MasterBus FireCAN Interface will be shared on the FireCAN network. This charging device can be a battery charger or a charger/inverter combination. The FireCAN Interface has an auto mode (default on), which automatically configures communication with the data of the charging device. In manual mode it is possible to make all configurations yourself.

Features

- Communication interface between FireCAN and MasterBus.
- Standardized CANopen protocol for electronic applications in firefighting vehicles (FireCAN protocol DIN14700).
- Automatic configuration (set up), so plug & play.
- Manual configuration also possible. MasterAdjust is recommended for manual configuration.
- Possible charger devices for automatic mode: Mass Combi, ChargeMaster.



Applications

A professional mobile application. An effective solution for communication between the central communication system of a firefighting vehicle and MasterBus enabled devices. A door opener to the firefighting industry (for chargers, Combi's, batteries, eg.).

Companies supporting FireCAN

Body builders:	◆ Fischer Panda
◆ Iveco	◆ Fronius
◆ Rosenbauer	◆ Ixxat
◆ Schlingmann	◆ KWG
◆ Ziegler	◆ Leab
	◆ Metallwarenfabrik Gemmingen
Suppliers:	◆ MobiE
◆ Beos	◆ Pinsch Bamag
◆ Dometic Group	◆ PWT Pomp Windentech- nologie
◆ Elja Power	◆ Rotzler
◆ Endress	◆ Teklite
◆ GTS	◆ Teksam
◆ Hänsch Warnsysteme	◆ Vector
◆ Hella	◆ Votronic
◆ Federal Signal Vama	
◆ Fireco	

Specification MasterBus FireCAN Interface



General specifications	77032400
Function	communication interface between FireCAN and MasterBus
Communication protocol	FireCAN protocol DIN14700 (CANbus)
Current consumption	< 40 mA
MasterBus powering	no
DIN rail mounting	yes, DIN rail 30 mm
Protection degree	IP21
Dimensions	66 x 78 x 32 mm / 2.6 x 3.1 x 1.3 inch
Weight	± 70 g / 0.15 lb (excl. cable)
Mode of operation	plug & play (automatic configuration) & manual mode, 1 interface per charger, monitoring only
Information provided	system status: input power, state of charge, battery voltage, under/over voltage
Delivered with	FireCAN connection cable (100 mm), MasterBus terminator

Mode of operation

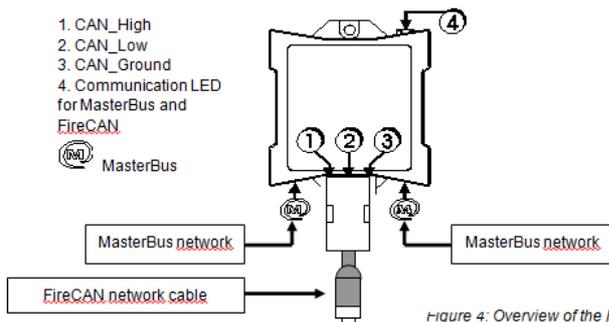


Figure 4: Overview of the FireCAN Interface