ehb electronics gmbh

CAN*modul*
Multi channel converter

Application · All CANbus controlled engines and applications

Features CAN*modules* enable easy data and signal transformation between analogue, digital and CANbus technology

The modules acquire data from the CAN network and convert it into analogue signals, alter the output of analogue sensors to CANbus messages or send rpm values to the engine control unit (ECU)

The CAN*modul* product family offers four basic versions:

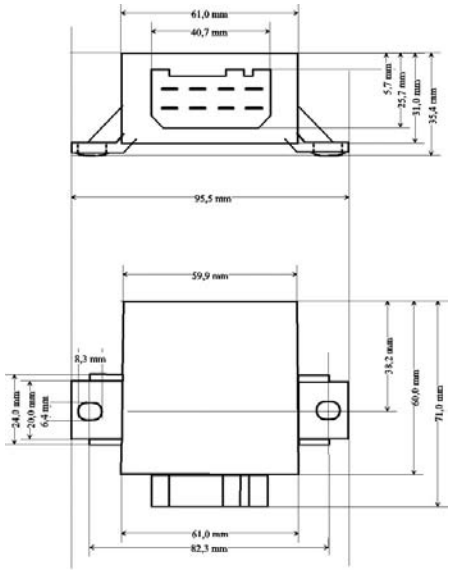
Engine speed module
Engine speed adjustment by standard switches and push-buttons, programmable speed, ramp function, output for analogue tachometer

Analogue gauge module
Interface between standard gauges and CAN engine, e.g. engine oil pressure, coolant temperature etc.

Sensor module
Acquires analogue sensor signals and transmits it to CANbus

I/O module
Programmable for four inputs and/ or outputs. Digital inputs, e.g. pressure switches, outputs, e.g. starter module, clutch switch, signal lamp

Three years warranty



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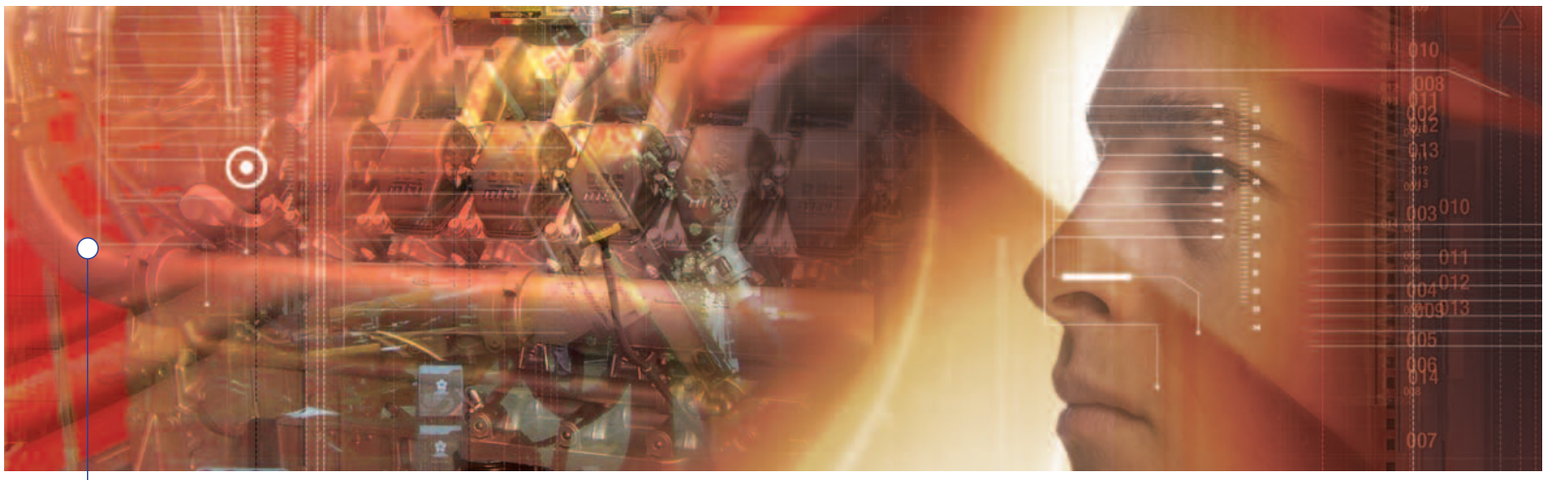

Functions

Engine speed module

- Manual speed control: The module allows manual speed changes within different values
- Ramp function for adjustable warming up or cooling down time in a predetermined time
- Saving the normal speed: By pushing a button the actual speed will be saved as normal speed also if you shut down the unit (self learning feature)
- Display of engine speed: display the actual engine speed you can connect an analogue display

Analogue gauge module

Connection of standard analogue gauges for 12V and 24V

Sensor module

The sensor module picks up values from transducer sensors and switches, (e.g. 4 – 20 mA, PT1000, etc.) and transmits the information to the CAN network.

I/O module

The I/O module can be fitted to various customer specific requirements. The measured data of the digital inputs are transmitted via CANbus and can be analysed and displayed e.g. by a CANmonitor with CAN-Display (Level switches, temperature and pressure switches and so on). The CANbus sends parameters which are analysed and written out on the outputs (2A). The number of inputs and outputs are limited to a total of four.

Technical Data

For example	Speed module	Analogue gauge module	Sensor module	I/O module
Inputs	UPM +, UPM – Normal speed		Fuel level, Coolant level Hydraulic oil level Hydraulic oil temp	Alternatively 4 inputs or 4 outputs or a combination of both
Outputs	Engine speed (frequency)	Oil pressure Coolant temperature Oil temperature Engine speed (or fuel)		

Additional Data

- Operating voltage 8 to 32 Volt
- CAN Interface CAN 2.0B, 250 kbit
- Voltage peak UB 2 ms, 200V
- Interference voltage UB 6Vss, 50 Hz
- Connection 8 x Amp positive lock
- Size 75 mm x 95 mm x 35 mm (W x H x D)
- Temperature range -40 to +105°C
- Sealing class of the housing IP 65

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