

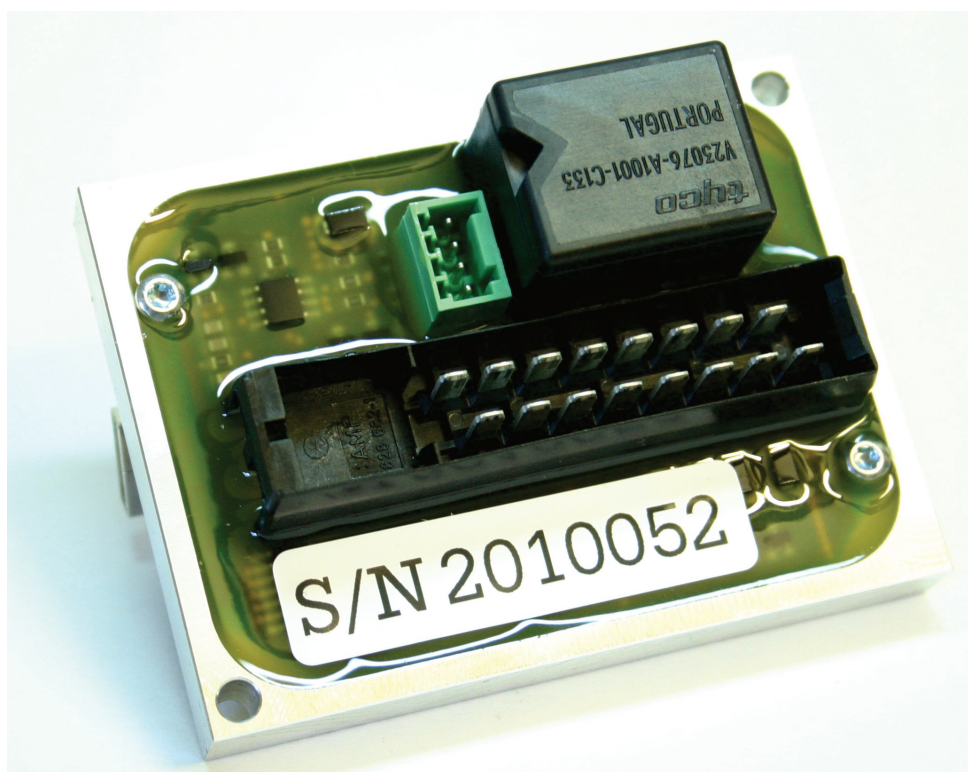
**MICROELEKTRONIK
& MEßTECHNIK**

MEINE - GERMANY

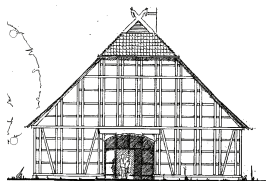
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CAN Micro Module

CAN I/O port expansion



- Compact aluminum housing
- Microprocessor 8bit with CAN communication
- 4 high-side output channels
- 8 A/D-inputs



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Technical data:

Power supply	- Voltage 10..16 Volt (optional 24V) - Current consumption ca. 100mA @ 13.8V without any loads - Reverse battery protection - Transient protection
Microprocessor	Atmel AT89C51CC01, 8bit, 20 MHz (optional T89C51CC03)
Memory	Flash (program) RAM (data) EEPROM
	32 kByte (optional 64 kByte with Atmel T89C51CC03) 1280 Byte (processor internal) 2 kByte (processor internal)
Communication	1 * RS 232 (max. 19,2 kBaud) 1 * CAN (physical layer 82C251, max. 1 MBit/sec.)
Sensor excitation	8 Volt (100 mA) - Inputs connected internally via 1k to 8V - Optional connected to one sensor input channel for external usage (7 inputs are remaining) - Voltage read back for overload diagnostics
Input channels	8(7) inputs with overvoltage protection, low-pass filter and voltage divider Analog 0..10Volt/10bit or digital incl.. 1k working resistance (e.g. inductive sensors)
Output channels	4 high-side switch outputs 100mOhm typ., each 2A current load, short-term load up to 3,5A - Total current load 4A, short-term load up to 10A - Switch-state read back for overload/broken wire diagnostics - PWM-capable (catch diode integrated)
Features	Software-update Internal diagnostics CAN protocol
	- Software-update possible via PC RS232-connection - Internal 8V sensor excitation measurement: Simple usage of the device is possible with the CAN protocol based in firmware. In most cases the need of a special firmware is not necessary. Available CAN-Commands: - Set Actors - Request digital Sensors - Request analog Sensors - Write E²PROM - Read E²PROM - Set CAN_ID - Request Modul SW Rev. - Request Modul Serialnumber
Safety	Safety relay for active reverse battery protection can be used for emergency cut off for all output channels and sensor excitation.
Electromechanical facts	Dimension (W*H*D) Weight Housing Sealing
	Ca. 60 * 80 * 29 mm ³ Ca. 120 g Compact milled aluminum housing Elektronic board is sealed with polyurethane resin for improved humidity and vibration protection.
Electrical connection	Power / CAN / IOs RS232
	Tyco Timer, 16-pol Phoenix Contact COMBICON - RM 2,54

Date 30.11.2015