

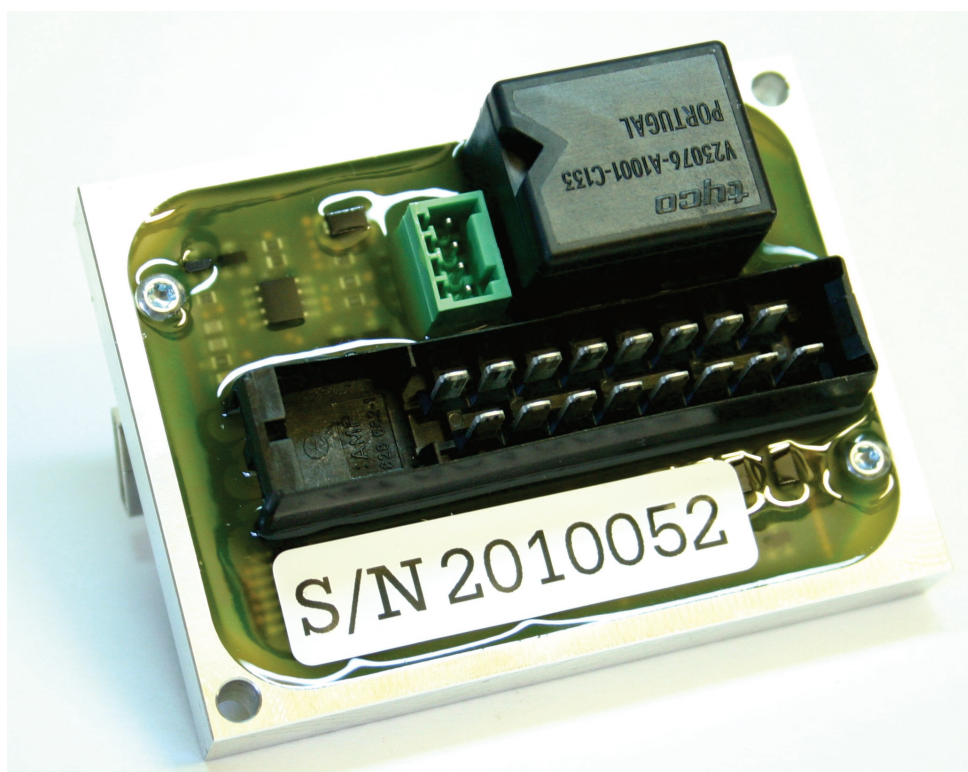
**MICROELEKTRONIK
& MEßTECHNIK**

MEINE - GERMANY

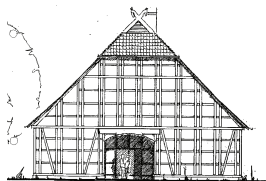
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CAN Micro Module H-Bridge

CAN I/O port expansion for motor control



- Compact aluminum housing
- Microprocessor 8bit with CAN communication
- 4 output channels
- 4 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
Communication	1 * RS 232 (max. 19,2 kBaud) 1 * CAN (physical layer 82C251, max. 1 MBit/sec.)
Sensor excitation	5 Volt, max. 500 mA - Voltage read back for overload diagnostics
Input channels	4 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 output switch 2 high-side (26mOhm typ.), each 4A curent load, short-term load up to 10A 2 low-side (14mOhm typ.), each 6A curent load, short-term load up to 15A - Total current load 12A, short-term load up to 24A - Switch-state read back for overload/broken wire diagnostics - PWM-capable (catch diode integrated) - External as H-Bridge configurable
Features	Software-update - Software-update possible via PC RS232-connection Internal diagnostics - Power supply - Internal 5V sensor excitation measurement CAN protocol Simple usage of the device is possible with the CAN protocol based in firmware. In most cases the need of a spezial firmware is not necessary. Available CAN-Commands: - Set Actors - Request digital Sensors - Request analog Sensors - Set CAN_ID - Request Modul SW Rev. - Request Modul Serialnumber - Motor Setup - Move Motor
Safety	Safety relay for active reverse battery protection can be used for emerengy cut off for all output channels and sensor excitation.
Electromechanical facts	Dimension (W*H*D) Ca. 60 * 80 * 29 mm³ Weight Ca. 120 g Housing Compact milled aluminum housing Sealing Electronic board is sealed with polyurethane resin for improved humidity and vibration protection.
Electrical connection	Power / CAN / IOs Tyco Timer, 16-pol RS232 Phoenix Contact COMBICON - RM 2,54

Stand 30.11.2015