

# ID

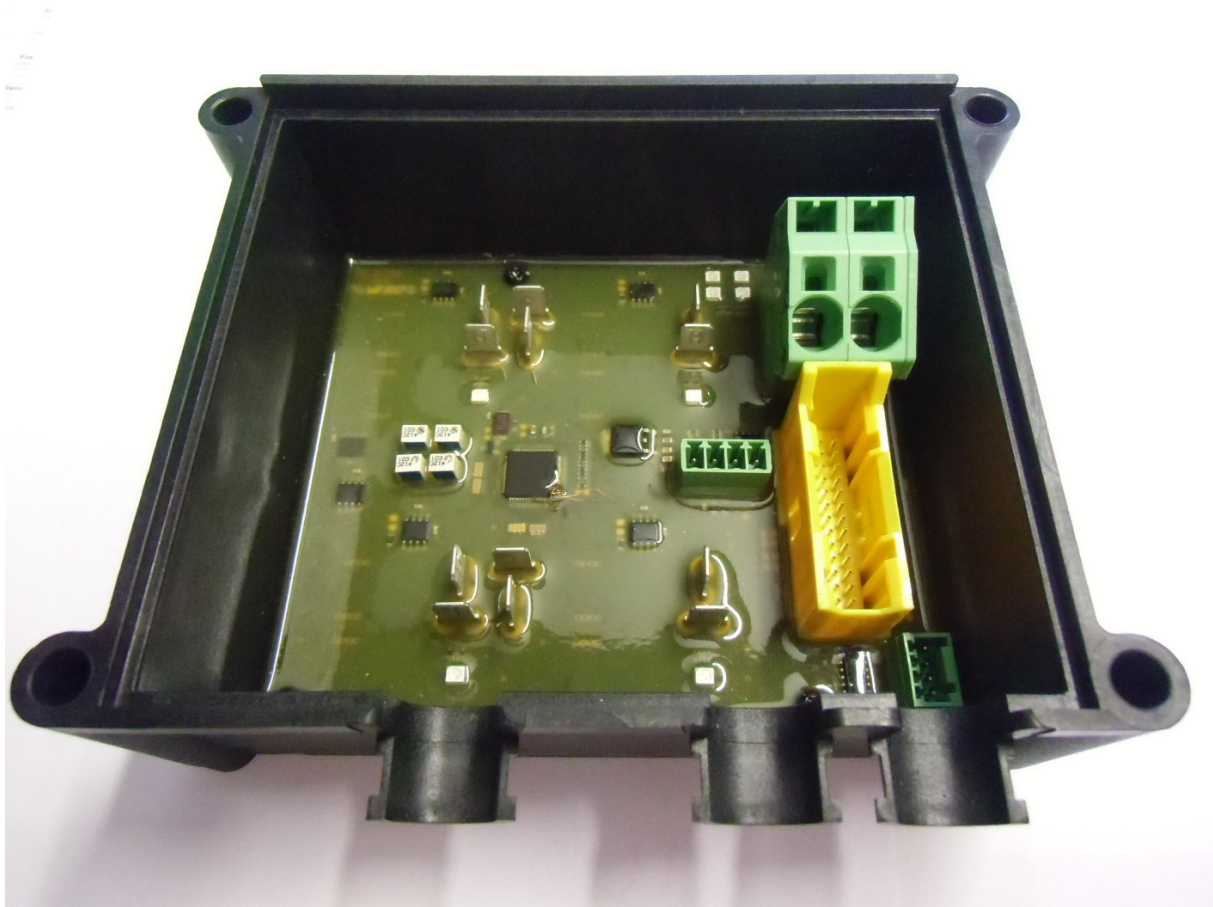
**MICROELEKTRONIK  
& MEßTECHNIK**

MEINE - GERMANY

ABBESBÜTTELER STR. 6  
38527 MEINE  
PHONE +49-(0)5304-931285  
WEB WWW.ID-MICRO.DE

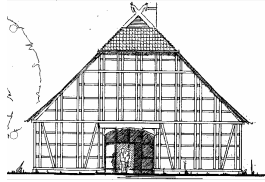
## CCP3

*4 -channel H-Bridge motorcontrol box*



### Features

- Microprocessor 16bit with CAN communication
- High load current up 50A
- Current measurement up 50A
- Compatible with CCP2
- Optional temperature measurement



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### Technical data:

<b>Power supply</b>	<ul style="list-style-type: none"> <li>• 10..16 Volt (optional 24V)</li> <li>• Reverse battery protection</li> <li>• Transient protection</li> </ul>
<b>Microprocessor</b>	<ul style="list-style-type: none"> <li>• Infineon SAK-XE162FL-20F80L <ul style="list-style-type: none"> <li>○ 80 MHz</li> <li>○ 120 kByte Flash memory</li> <li>○ 16bit</li> </ul> </li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>• EEPROM 64kByte</li> </ul>
<b>Input channels</b>	<ul style="list-style-type: none"> <li>• 4 Digital Inputs 0...10V</li> <li>• 8 (12) Analog Inputs 0...10V, 12bit</li> </ul>
<b>Output channels</b>	<ul style="list-style-type: none"> <li>• 4 H-Bridges with protected Infineon MOSFets <ul style="list-style-type: none"> <li>• 50A load current</li> <li>• Current limitation min. 55A</li> <li>• Overtemperature shut-down</li> </ul> </li> </ul>
<b>Communication</b>	<ul style="list-style-type: none"> <li>• RS232</li> <li>• CAN (physical layer 82C251, 1 Mbit)</li> </ul>
<b>Features</b>	<ul style="list-style-type: none"> <li>• Current measurement +/- 50A</li> <li>• Optical H-Bridge feedback with LEDs</li> <li>• Timeout programable (default 10s)</li> <li>• Overcurrent switch-off adjustable (without CAN usage) or programable (with CAN usage)</li> <li>• Optional programable Sensor supply 0...10V/50mA</li> <li>• Optional supply switch 1A</li> <li>• Optional onboard temperature measurement for each H-Bridge (accuracy +/- 1°C)</li> <li>• Optional GND terminals (for simple high-side switch usage)</li> <li>• Easy software update</li> <li>• Sealed in polyurethane resin</li> </ul>
<b>Housing</b>	<ul style="list-style-type: none"> <li>• Plastic (PC) case with clear cover</li> <li>• 148 * 120 * 52 mm<sup>3</sup></li> </ul>
<b>Weight</b>	350 g
<b>Connectors</b>	<ul style="list-style-type: none"> <li>• Power supply: Phoenix SPTA 16/2 (2pol) for 10mm<sup>2</sup> wiring</li> <li>• CAN: Phoenix MCV1,5/4 (4 pol.)</li> <li>• RS232 : Phoenix MCV0.5-4 (4 pol.)</li> <li>• Inputs: TYCO/AMP MODU2 (26 pol.)</li> <li>• Outputs : Standard 6,3mm contact pins</li> </ul>

Date 16.6.2015