CAN-CBM-AI4
4 Analog Inputs

- low cost compact CAN module
- direct fixing at DIN-EN carrier rail mounting
- 4 analog inputs with 12 bits resolution

Industry-compliant Design
The analog inputs are connected via screw/terminal connectors (COMBICON), which, in the shape of 'standing wiring', guarantee an easy and safe handling while being low-cost at the same time. The inputs of the CBM-AI4 module can be individually set (unipolar, bipolar, current input) for each channel via DIP switches and software (CANopen Protocol). The case is safety class IP 20.

CAN Bus
The electrically isolated physical CAN layer has been designed in accordance with ISO 11898 and allows data-transfer rates of up to 1 Mbit/s. It is connected via screw/plug connectors.
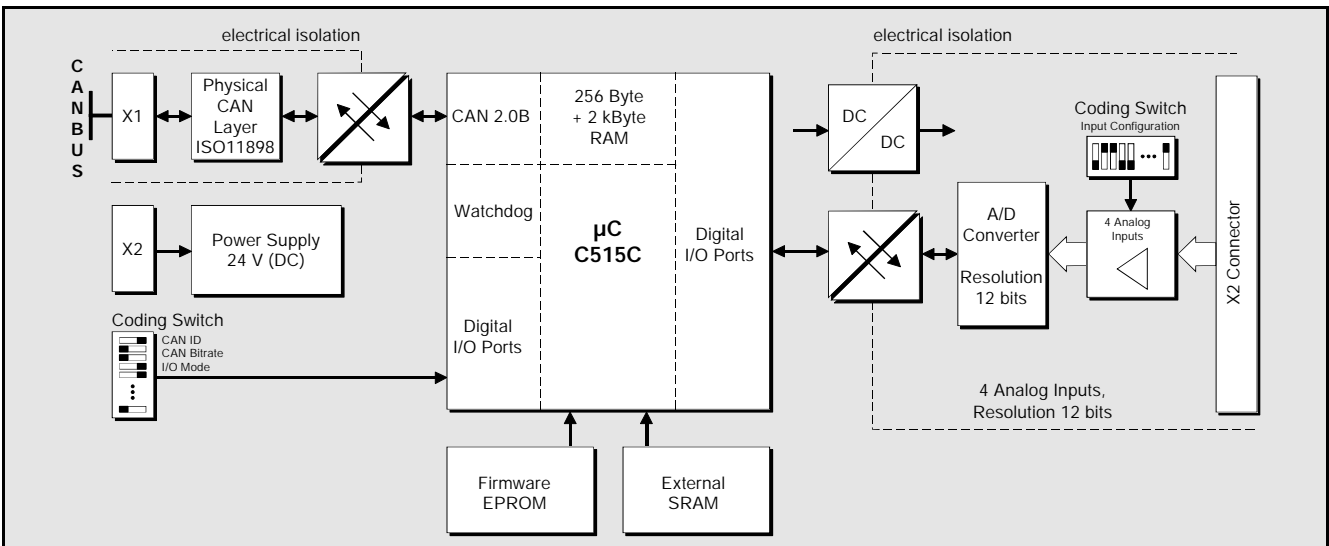
Intelligent Microcontroller
The CBM-AI4 module has been designed with an SAB80C515C micro controller with integrated CAN-2.0B interface and firmware EPROM. An external EEPROM is used to store the module configuration.

Address of the CANbloc Module
The setting of the CAN device address is done by the coding switch.

CAN Protocols
The CANbloc-Mini module is operating with CANopen in accordance with CiA-DS401 in the default state.

Technical Specifications:

Analog Inputs:

Number of inputs:	4	
Specification:	resolution:	12 bits
	input ranges:	0...10 V, ±10 V, 0...20 mA
	sampling rate:	200 samples /s
Configuration:	via coding switch or software	

CAN:

CAN controller:	SAB80C515C
CAN interface:	differential, electrically isolated, ISO11898, 1 Mbit/s (max. 10 m cable length), 500 kbit/s (max. 80 m cable length)
Protocol:	CANopen

General:

Ambient temperature:	0...50 /C
Module operating voltage U$_s$:	+18 ...30 VDC
Case dimensions:	25 mm x 79 mm x 91 mm DIN-EN carrier rail mounting

Order information:

Designation		order no.
CAN-CBM-AI4	CANbloc-Mini module, 4 analog Inputs, CANopen	C.2831.02
CAN-CBM-Cable	manufactured CAN cable for CBM modules, length: 0.3 m, Combicon to DSUB-9 male	C.1323.03
CAN-CBM-AI4-ME	English user`s manual	C.2831.21