

# CAN-CBX-AO412

## 4 Analog Outputs, Resolution 12 Bit

- 4 analog outputs
- resolution 12 bit
- $\pm 10$  V output voltage range
- InRailBus
- CANopen

### Analog Outputs

The CAN-CBX-AO412 module is equipped with a D/A-converter that offers four analog output channels with a resolution of 12 bit.

### Compact I/O Module

The CAN-CBX module series with InRailBus provides industry compatible CAN bus in-/output modules in combination with service-friendly 'wiring' of CAN bus and supply voltage.

### InRailBus

The power supply and the CAN bus signals can be applied via the InRailBus connector (TBUS-connector) integrated in the



mounting rail or separately via the clamp-connection.

From the InRailBus individual modules can be removed without interrupting the bus signals.

### CAN Interface

The CAN interface is designed according to ISO11898 with electrical isolation and bit rates up to 1 Mbit/s.

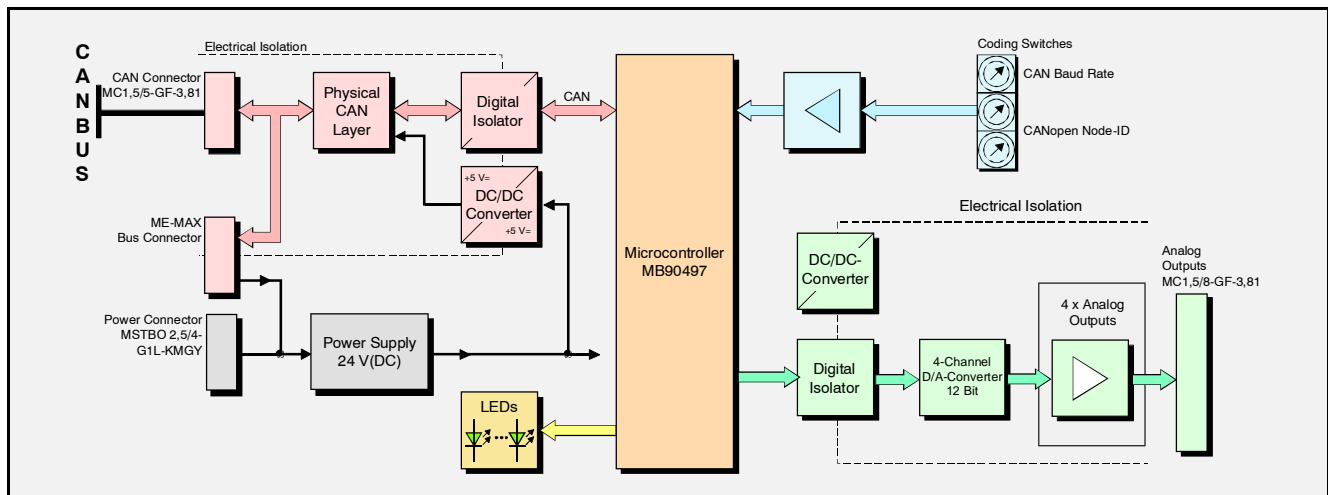
The CANopen-node number and the CAN-bit rate can be easily set via coding switches at the top side of the module.

### LED Display

Four LEDs indicate the input state and the CANopen node state.

### Software Support

The module comes with CANopen firmware according to CiA-DS-301 and with a CANopen I/O-profile according to CiA-DS-401.



### Technical Specifications:

|                              |  |
|------------------------------|--|
| <b>Process coupling:</b>     |  |
| Number of outputs:           | 4 analog outputs   |
| Resolution:                  | 12 bits  |
| Output range:                | $\pm 10$ V   |
| <b>CAN, Microcontroller:</b> |  |
| Microcontroller:             | MB90F497, CAN 2.0A/B   |
| CAN interface:               | acc. to ISO11898, differential, electrically isolated, bit rate up to 1 Mbit/s |
| Protocol                     | CANopen DS-301, DS-401   |

|                                       |  |
|---------------------------------------|--|
| <b>General:</b>                       |  |
| Ambient temp.:                        | -20 ... 70 °C  |
| Power supply:                         | nominal 24 VDC   |
| Dimensions:                           | 22 x 112 x 113 mm  |
| Connectors:                           | Power: Phoenix MSTBO2,5/4-G1LKMGY<br>CAN: Phoenix MC1,5/5-GF-3,81<br>Analog: Phoenix MC1,5/8-G-3,81-AU |
| <b>Order information:</b>             |  |
| Designation                           | order no.  |
| CAN-CBX-AO412 4 analog outputs 12 bit | C.3040.02  |