CAN-CBX-AO412

CANopen® Module with 4 Analog Outputs, 12 Bit Resolution

4 D/A-Converter Outputs

- Resolution: 12 bits plus sign
- Output voltage range: ±10V
- CANopen profiles according to CiA® specification CiA 301 and CiA 401

Approved Reliability and Ease of Use

- Electrical isolation of analog outputs
- InRailBus technology combines high ease of use and proven reliability
- DIN-EN carrier rail mounting (TS 35)

Firmware adaptable to Customer Requirements via 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 plus sign.

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.

CAN Interface and LED Display

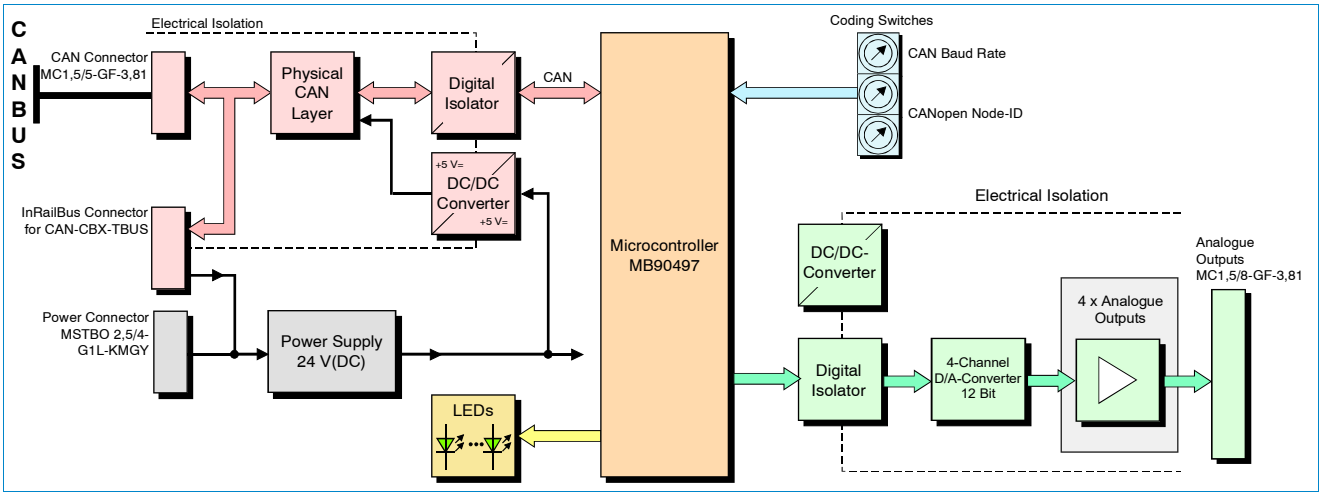
The CAN interface is designed according to ISO11898-2 high-speed layer with electrical isolation and supports bit rates up to 1 Mbit/s.
The CANopen-node number and the CAN bit rate can be easily set via coding switches. Four LEDs indicate the module and CANopen node status.

InRailBus

The CAN-CBX-AO412 features the possibility to connect the power supply and the CAN bus signals via the InRailBus connector (CAN-CBX-TBUS connector) integrated in the mounting rail. Individual modules can then be removed from the InRailBus without interrupting the bus signals.

Software Support

The CAN-CBX-AO412 comes with CANopen firmware according to CiA 301 and and with a CANopen-I/O profile according to CiA 401.



Technical Specifications:

Process Coupling:	
Number of analog outputs	4 D/A-converter channels
Resolution	12 bits plus sign
Output range	Programmable ± 10 V
Output current	Maximum 10 mA
Minimum load resistor	> 1kΩ / channel
Microcontroller and CAN Interface:	
Microcontroller	MB90F497, ISO 11898-1
CAN interface	According to ISO 11898-2, differential, electrically isolated, bit rate up to 1 Mbit/s
Protocol	CANopen according to CiA profiles CiA 301 and CiA 401

General:	
Power supply voltage	Nominal: 24 VDC ±20 %
Current consumption	Typical (load-free, 24 V): 42 mA
Ambient temperature	-20 °C ... +60 °C
Relative humidity	Max. 90 % (non-condensing)
Dimensions	22.5 mm x 99 mm x 114.5 mm (dimensions without mating connectors)
Housing	Plastic housing (ME MAX) for carrier rail mounting NS 35/7,5 DIN EN 60715
Connectors	Power: Phoenix MSTBO2,5/4-G1LKMGY CAN: Phoenix MC 1,5/ 5-GF-3.81 I/O: Phoenix MC 1,5/8-G-3,81 AU
Weight	Approx. 130 g

Order Information:

Hardware		Order No.
CAN-CBX-AO412	4 analog outputs, resolution 12 bit plus sign, including 1 CAN-CBX-TBUS (InRailBus connector, C.3000.01)	C.3040.02

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