

CAN-CBX-DIO8

CANopen® Module with 8 Digital I/Os, 24 V

8 Digital In/Out Ports

- Inputs 24 V
- Outputs 24 V/1 A
- Input/output programmable

CANopen According to CiA® Standards

- CiA 301 CANopen application layer
- CiA 401 generic I/O-modules

32 Bit Counter Inputs

- Each input selectable as edge triggered counter input
- CAN message at preset counter value

Digital Inputs and Outputs

The CAN-CBX-DIO8 module is equipped with 8 digital I/Os, each separately programmable as input or output. The nominal I/O-voltage value is 24 V. Maximum output current is 1 A at 24 V.



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

The High-Speed 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.

LED Display

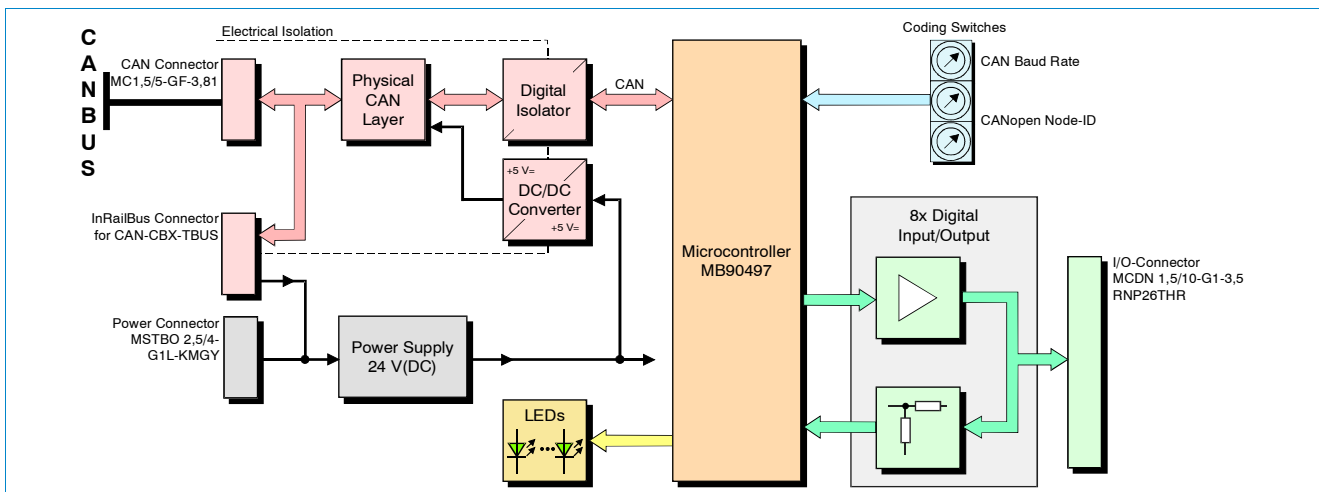
Four LEDs show the I/O-channel state and the CANopen node state.

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.

Software Support

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



Technical Specifications:

Process Coupling:	
Number of digital inputs	8 channels, each selectable as input or output in/outputs
Specification of the digital inputs	Input voltage (nominal value): 24 V(DC) Over voltage protection up to +30 V
Specification of the digital outputs	High side power switches, Power supply (nominal): 24 V(DC), Output current (max.): 1.0 A (50 °C, 24 V), Protection circuit: short circuit and over temperature protection with output shutdown, undervoltage and overvoltage shutdown with auto-restart and hysteresis
CAN, Microcontroller:	
Microcontroller	MB90F497, ISO11898-1
CAN interface	According to ISO11898-2, differential, electrically isolated, bit rate up to 1 Mbit/s
Protocol	CANopen according to CiA standards CiA 301 and CiA 401

General:	
Power supply voltage	Nominal 24 VDC / 25 mA Permitted range 12...32 VDC
Ambient temperature	-20 °C ... +60 °C
Relative humidity	Max. 90 % (non-condensing)
Dimensions	22.5 mm x 99 mm x 114.5 mm
Housing	Plastic housing (ME MAX) for carrier rail mounting NS 35/7,5 DIN EN 60715
Connectors	Power: Phoenix MSTBO2,5/4-G1L-KMGY CAN: Phoenix MC1,5/5-GF-3.81 I/O: Phoenix MCDN1,5/10-G1-3,5RNP26THR
Order Information:	
Hardware	Order No.
CAN-CBX-DIO8	8 digital inputs/outputs 24 V, incl. 1x CAN-CBX-TBus C.3010.02
Accessories	
CAN-Cable-S, 0.3m, male	C.1323.03
CAN-CBX-TBus-Connector-Female	C.3000.01
CAN-CBX-TBus-Connector-Male	C.3000.03