

CAN-CBX-DIO8

8 Digital Inputs/Outputs

- inputs 24 V, outputs 24 V/1 A
- input/output programmable
- In-Rail-Bus
- CANopen

Digital Inputs and Outputs

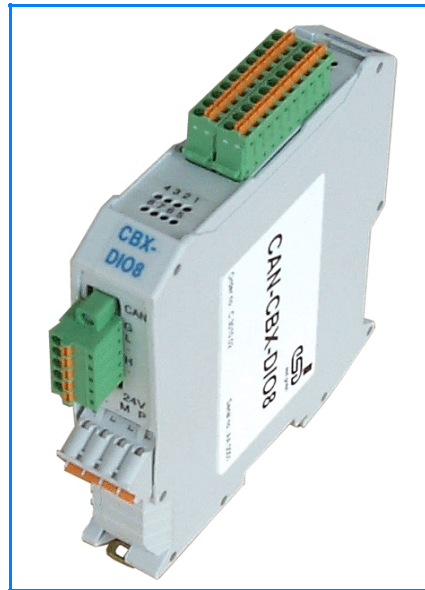
The CAN-CBX-DIO8 module is equipped with 8 digital I/Os, each separately programmable as input or output. The nominal I/O-voltage value is 24 V. Maximum output current is 1 A at 24 V.

Compact I/O Module

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

In-Rail-Bus

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



mounting rail or separately via the clamp-connection. From the In-Rail-Bus individual modules can be removed without interrupting the bus signals.

CAN Interface

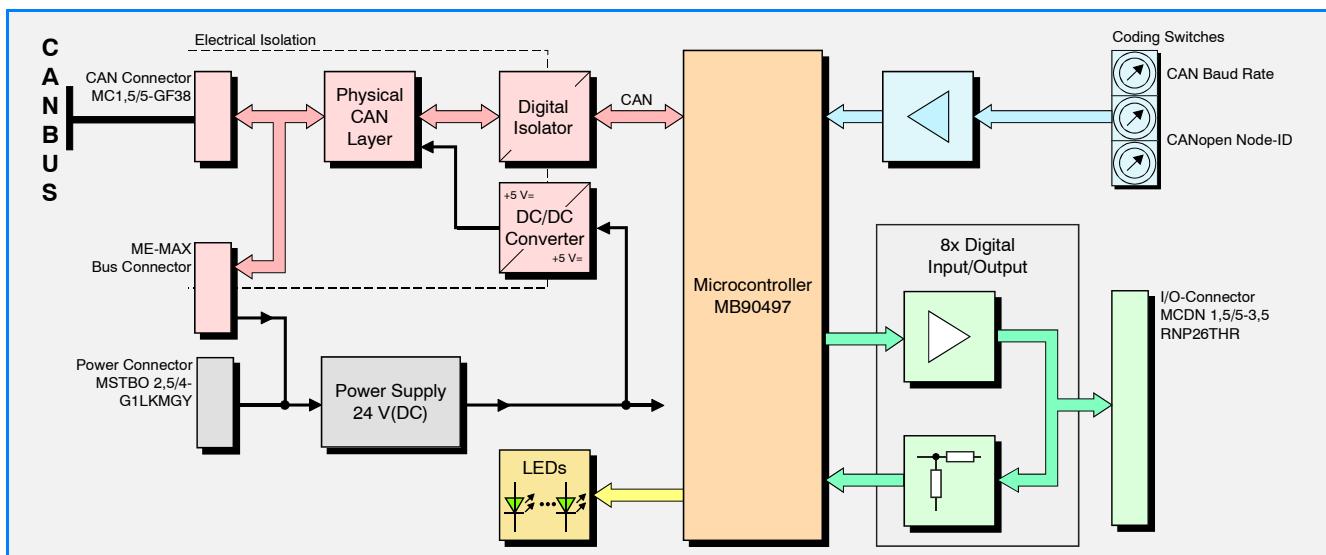
The CAN interface is designed according to ISO11898 with electrical isolation and bit rates up to 1 Mbit/s. The CANopen-node number and the CAN-bit rate can be easily set via coding switches.

LED Display

Four LEDs show the I/O-channel 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:

Process coupling:	
Number of digital in/outputs:	8 channels, each selectable as input or output
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 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, 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

General:		
Ambient temperature:	-20 °C ... +85 °C	
Power supply:	nominal 24 VDC / 25 mA permitted range 12...32 VDC	
Dimensions:	22 x 112 x 113 mm	
Connectors:	Power: Phoenix MSTBO2,5/4-G1LKMGY CAN: Phoenix MC1,5/5-GF-3.81 I/O: Phoenix MCDN1,5/10-G1-3,5RNP26THR	
Order information:		
Designation	order no.	
CAN-CBX-DIO8	8 digital inputs/outputs 24 V, including 1 CAN-CBX-TBUS (In- Rail-Bus connector, C.3000.01)	C.3010.02