



CAN-CBX-DIO8

8 Digital Inputs/Outputs

- Inputs 24 V, outputs 24 V/1 A - Input/output programmable
- In-Rail-Bus
- CANopen

Digital Inputs & 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.

InRailBus

The power supply and the CAN bus signals are applicable through 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 are removable without interrupting the bus signals.

CAN Interface

The CAN interface is fully ISO 11898 compliant 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.



CAN-CBX-DIO8

For further information please visit
<http://www.esd-electronics-usa.com/CAN%20I%20Series.html>

LED Display

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

Software Support

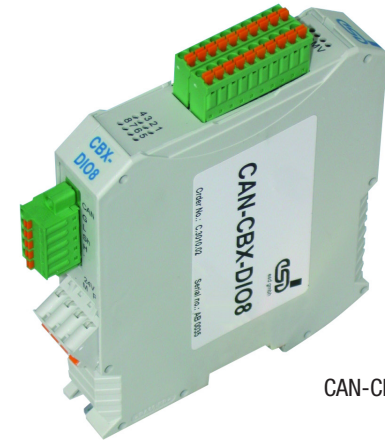
The module comes with CANopen firmware according to CiADS-301 and with a CANopen I/O-profile according to CiADS 401.

growing with the
challenge

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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 (50oC, 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	-20o C ... +85o C
Power supply	Nominal 24 VDC / 25 mA, permitted range 12...32 VDC
Dimensions	22 x 112 x 113 mm
Connectors	Power -Phoenix MSTB02, 5/4-G1LKMGY CAN - Phoenix MC1, 5/5-GF-3.81 I/O - Phoenix MCDN1, 5/10-G1-3, 5RNP26THR

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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

