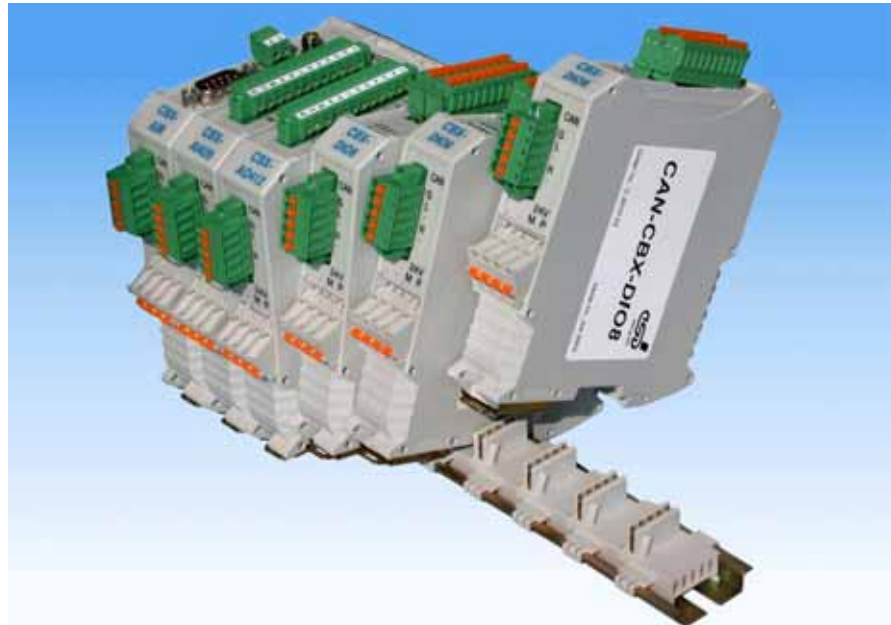




esd - CBX - I/O Series

CAN - Input/Output Modules with In-Rail-Bus

- Compact I/O modules
- easy control cabinet wiring due to 2- or 3-lead connection
- stand-alone CANopen modules
- joined modules via In-Rail-Bus
- connection of CAN and supply voltage without wiring effort
- disconnect individual modules without interrupting the signal chain
- DIN rail mountable housing
- automatic functional earth ground contact (EMC)
- power supply 12 V ... 32 V
- firmware adaptable to customers' requirements and upgradeable via CAN



Compact I/O Modules

The new CAN-CBX 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.

The CANopen-node number and the CAN-bit rate can be easily set via coding switches.

The power supply and the CAN bus signals can be applied via the In-Rail-bus connector integrated in the mounting rail or separately via the clamp-connection.

Easy Control Cabinet Wiring

All modules of the CBX-I/O series feature 2- or 3-lead connections of the in-/outputs.

In-Rail-Bus

The stand-alone CANopen modules can be joined via the Phoenix Contact TBUS-connector (In-Rail-Bus) in the mounting rail allowing an immediate connection of the CAN bus and the voltage supply.

Individual modules can be removed without interrupting the bus signals.

CAN Interface

for all esd CAN-CBX-Modules:

- CAN interface according to ISO11898, electrically isolated
- CAN bit rate up to 1 Mbit/s
- CANopen CiA-DS-301
- CANopen I/O-Profile according to CiA-DS-4xx

Available Modules

CAN-CBX-DIO8 (C.3010.02)

- 8 I/Os, each selectable as input or output,
- input voltage 24 V
- output current up to 1 A
- timer/counter functionalities

CAN-CBX-AI812 (C.3020.02)

- 8 analog inputs single-ended or 4 analog differential inputs
- 12 bit resolution + sign
- sample rate up to 1 KHz
- ± 10 V input range
- inputs electrically isolated

CAN-CBX-AI420 (C.3030.02)

- 4 analog differential inputs
- 20 bit resolution (Sigma-Delta-ADC)
- 0...10 V, ± 10 V input range
- inputs electrically isolated

CAN-CBX-AO412 (C.3040.02)

- 4 analog outputs
- 12 bit resolution
- 0...10 V, ± 10 V output range
- outputs electrically isolated

CAN-CBX-AIR (C.3050.02)

- wireless CAN-Bridge
- CAN telegram filtering
- ISM band (2.4 GHz)
- external antenna

Projected

CAN-CBX-REL4

- 4 relay outputs
- 2 change over contacts
- 2 normally open contacts
- max. switching power 60 W

CAN-CBX-AI4-PT100

- 4-channel-Pt100-resistance thermometer
- -100 °C...+500 °C
- resolution 0.1 K

CAN-CBX-PCIO8/8

- timer / counter, PWM
- frequency- and cycle duration measurement

CAN-CBX-DMS2

- 2-channel pressure sensor unit for strain gauge full bridge

CAN-CBX-AI4-Thermo

- 4-channel thermocouple inputs for type J, K or L
- -200 °C ... +1200 °C
- cold-junction compensation