CAN-CBX-REL4

CANopen® Module with 4 Relay Outputs

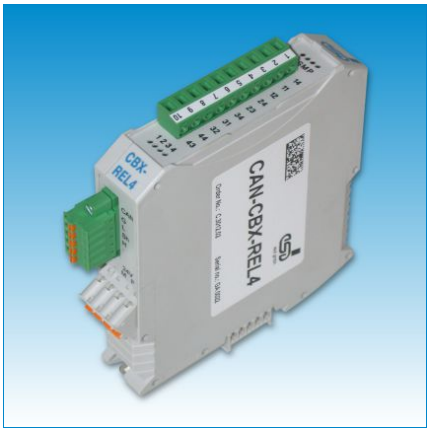
4 Monostable Relay Outputs

- Change over contacts: 2
- Normally open contacts: 2
- Switching voltage:
  max. 250 VAC, 125 VDC
- Switching current: max. 8 A (AC and DC)
- Switching power:
  Max. resistive load: 2000 VA / 240 W
  Max. inductive load: 875 VA / 170 W
- CANopen profiles acc. to CiA®
  specification CiA 301 and CiA 401

Approved Reliability and Ease of Use

- Electrical isolation of relay 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



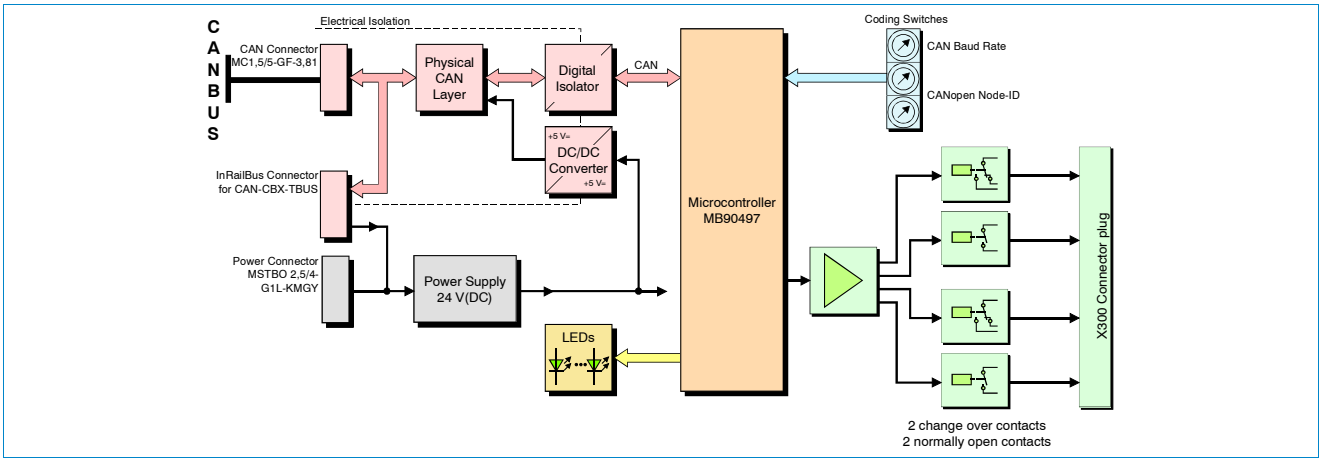
Relay Outputs
The CAN-CBX-REL4 is equipped with 4 relays which are electrically isolated from each other. Therefore various voltages can be applied to the CAN-CBX-REL4 module simultaneously.

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, four additional LEDs indicate the status of the relays.

InRailBus
The CAN-CBX-REL4 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-REL4 comes with CANopen firmware according to CiA 301 and and with a CANopen-I/O profile according to CiA 401.



Technical Specifications:

Relay Specification:	
Number of outputs	4 outputs: 2x normally open, 2x change-over
Switching voltage	Max. 250 VAC, 125 VDC
Switching current	Max. 8 A (AC and DC)
Switching power	Max. resistive load: 2000 VA/240 W Max. inductive load: 875 VA/170 W
Switching frequency	Max. 30 operations per minute
Endurance mechanical load	100 000 cycles
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 (24 V): 100 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 MC1,5/5-GF-3.81 I/O: Phoenix MC 1,5/10-G-5,08
Weight	Approx.145 g

Order Information:

Hardware		Order No.
CAN-CBX-REL4	4 relay outputs, including 1 CAN-CBX-TBUS (InRailBus connector, C.3000.01)	C.3012.02

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