

CANopen Input/Output modules

cIO-CAN Product family:

Compact CANopen I/O modules for direct connection to DIN mounting rails

- ☑ Flexible I/O modules for integrating analog and digital signals to an existing CAN network
- ☑ Available for various sensor and control signals
- ☑ Versatile use as an extension of testing and automation systems
- ☑ Extremely compact plastic housing
- ☑ Fast and easy setting of Node ID and CAN baud rate using DIP switches



Technical data - Modules of the series in comparison

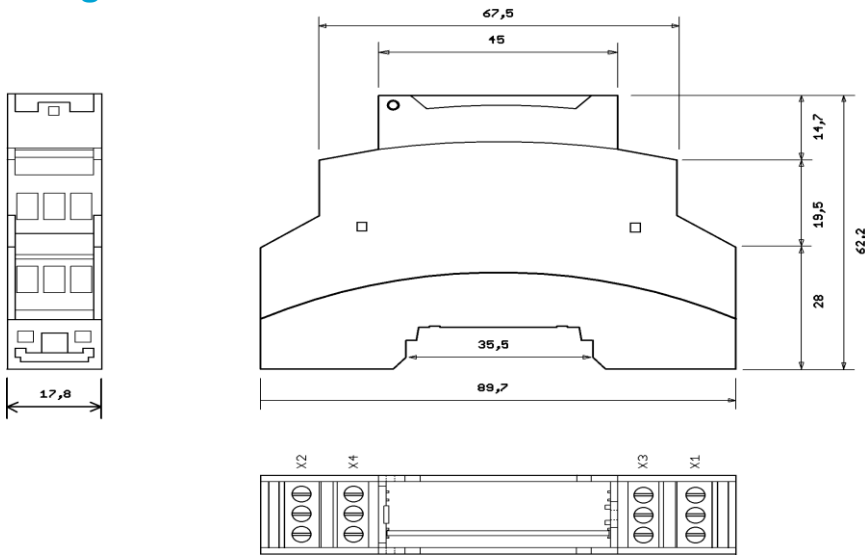
	Digital Inputs	Digital Outputs	Analog Inputs	Analog Outputs	PT 100 / PT 1000	Functions
cIO-CAN-50						2 digital Inputs (24V) 2 digital Outputs (24V), high side switching Special function: Event counter, PWM
cIO-CAN-51						2 digital Outputs (24V) with 2 Full-Bridge-Drivers to drive DC motors, valves or similar loads.
cIO-CAN-52						4 analog Outputs (-10V...+10V)
cIO-CAN-53						1 regulated analog Output (current) to drive proportional valves
cIO-CAN-55						4 analog Inputs (0...+10V/-10...+10V) Resolution: 16 Bit
cIO-CAN-56						Temperature measurement with PT100/1000 Inputs, Measuring range: -100°C...+500°C (0,1K Resolution). Channels: 4 using 2-wire-connection, 2 using 3-wire-connection, 1 using 4-wire-connection
cIO-CAN-57						4 analog Inputs current (0...20mA/4...20mA) Resolution: 16 Bit
cIO-CAN-58						2 analog Inputs current (4...20mA) Resolution: 12 Bit
cIO-CAN-59						2 digital Inputs (24V) 2 digital Outputs (24V) high side switching Special function: Compare-Counter
cIO-CAN-60						2 analog Outputs (0...20mA) Resolution: 12 Bit

Technical modifications reserved

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Design and dimensions



Further technical details

Characteristics

Housing	Plastic for snapping onto DIN mounting rails
Dimensions	18 x 90 x 62 mm
Circuit internally	Output protection circuits against overvoltage and electrostatic discharge
Fieldbus- and I/O level	separated by galvanic isolation

Electrical connection

Operating voltage	11...32V DC (typ. 24V DC)
Operating temperature	0...+55 °C (option: -40...+70 °C)
Wire Gauge	0,08...1,5 mm ² (AWG28...AWG14)

CAN Bus Characteristics

Baud rates	up to 1 MBit
ciA Standards	Ds301 Version 4.2 und DS401 Version 3.0
ISO Standards	ISO11898 (also with Transceiver TJA1050)
PDO	Dynamic PDO Mapping; Variable PDO Identifier; CANopen PDO transmission modes: synchronous, asynchronous, event-controlled, cyclic, acyclic, Remote Frame related; Event Timer and Inhibit Timer for all Transmit PDOs
Communication mechanisms	Nodeguarding, Lifeguarding, Heartbeat, Emergency Message

Order

Scope of delivery

Desired module of the product family cIO-CAN

Options for your order

Extended operating temperature (-40...+70 °C)

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