

# Digital signal-processing

## μCAN.8.dio-BOX

8-channel digital input and output module, positive or negative switching

The μCAN.8.dio-BOX is designed for universal processing of digital signals.

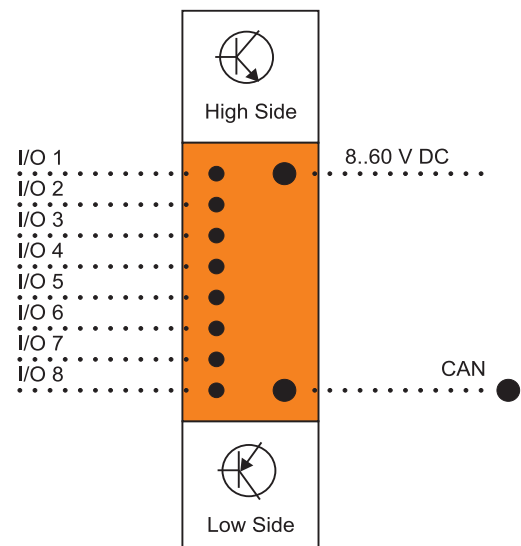
The 8 I/O terminals can be freely programmed as digital inputs or outputs.

The μCAN.8.dio-BOX is connected to the central control unit via the CAN-interface.



### Features

- Free configuration of the 8 I/O terminals as digital inputs or outputs
- Outputs can be loaded up to 1,4 A (total 6 A)
- High-Side or Low-Side driver
- Protocol: CANopen CiA 404
- Status and error indication by LEDs
- 3-conductor plugs
- Output driver with 5 .. 50 V



Technical Data	Digital signal-processing $\mu$ CAN.8.dio-BOX
Number of channels	8
Power supply voltage	8...60 V DC, reverse polarity protected
Power Consumption	1.5 W (60 mA @ 24 V DC) no-load
Electrical isolation	fieldbus/control voltage:500 Veff
Operating temperature	-40°C...+ 85°C
Transfer rates	10 kBit/sec to 1 MBit/sec
Protocol	CANopen CiA 404/DeviceNet/customer specific CAN/CAN 2.0A and 2.0B
Number of PDOs (CANopen)	1 transmit PDO / 1 receive PDO
Configuration	Selection of in-/output mode via fieldbus Bit rate and module address via DIP-switches
Status Indicator	2 bi-color LEDs for module status information 8 bi-color LEDs for input/output status information
Output	No galvanic isolation of outputs, long-term short circuit protection, maximum current per output 1.4A (total current over all outputs up to 6A) Short circuit and overload detection / 5..50V DC
Input	No galvanic isolation of inputs Input voltage range „high“ dynamic at 55% of driver input voltage
Protection Class	IP 66
Casing	Die cast aluminium 125x80x57mm (LxWxH)
EMC	EN 50082 compliant

Order Number	Description
12.86.015	$\mu$ CAN.8.dio-BOX / Low-Side-Driver 8-channel digital input / output module with CANopen, designed for metric cable glands, connection via spring-cage connectors, <b>Low-side driver.</b>
12.86.014	$\mu$ CAN.8.dio-BOX / High-Side-Driver 8-channel digital input / output module with CANopen, designed for metric cable glands, connection via spring-cage connectors, <b>High-side driver.</b>
90.01.115	Metric cable installation kit for 8-channel field modules.