MicroControl
Systemhaus für Automatisierung

8-channel Digitale Signal-Processing

µCAN.8.dio-BOX

8-channel digital input and output module

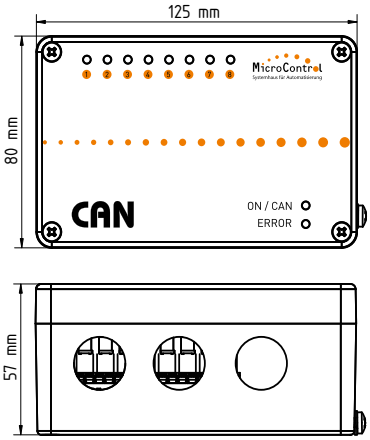
The **µCAN.8.dio-BOX** is designed for universal processing of digital signals.

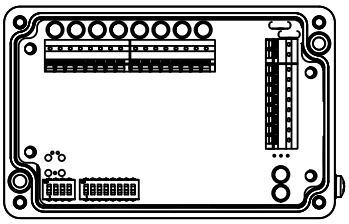
The 8 terminals can be freely programmed as digital inputs or outputs.

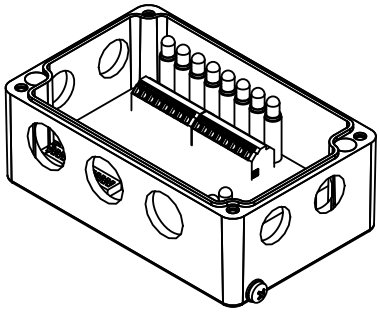
The µCAN.8.dio-BOX is connected to the central control unit via the CAN-interface.

- Input or output freely configurable
- Each output to be charged with max. 1 A
- Output driver can be supplied separately
- Switching threshold freely configurable

Features







Order ID	Description
12.86.054	µCAN.8.dio-BOX 8-channel digital input / output module, with galvanic isolation of the CAN bus. Connection via push-in spring terminals. Designed for metric cable glands. Fieldbus: CAN / CAN FD. Protocols: CANopen / CANopen FD / J1939.
90.01.115	Metric cable installation kit for 8-channel field modules.

Technical data	Digital Signal-Processing µCAN.8.dio-BOX
Power supply	
Power supply voltage	9 V DC .. 36 V DC, reverse polarity protected
Power consumption	max. 0,7 W
Current consumption	max. 30 mA @ 24 V DC
Operating temperature	-40 °C to +85 °C
Status Indicator	2 bi-color LEDs for module status information 8 bi-color LEDs for input/output status information
Communication	
Interface	CAN, CAN FD
Protocols	CANopen, CANopen FD, J1939
Bit rate CANopen CC	50, 100, 125, 250, 500, 800, 1000 kBit/s
Bit rate CANopen FD	250/1000, 250/2000, 500/2000, 1000/4000 kBit/s
Bit rate J1939	250, 500 kBit/s
Construction	
Housing	Die cast aluminium casing
Protection class	IP66
Dimension (W x D x H)	125 x 80 x 57 mm (without connectors)
Installation type	Installation via cable glands
Weight	560 g
Anschlusstechnik Signal	Cable glands M20 (not included)
Anschlusstechnik CAN	Cable glands M16 (not included)
Digital output	
Output Voltage	5 V ... 36 V, defined by Vp
Output current	nominal 1 A, short circuit protection
Output delay	10 µs (no load)
Driver type	High-side to Vp
Digital input	
Input impedance	36 kΩ
Polling time	1 ms
Switching threshold	adjustable, absolute or relative to Vp