

Digital signal processing

μCAN.8.dio-SNAP

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

The μCAN.8.dio-SNAP is designed for universal digital signal processing.

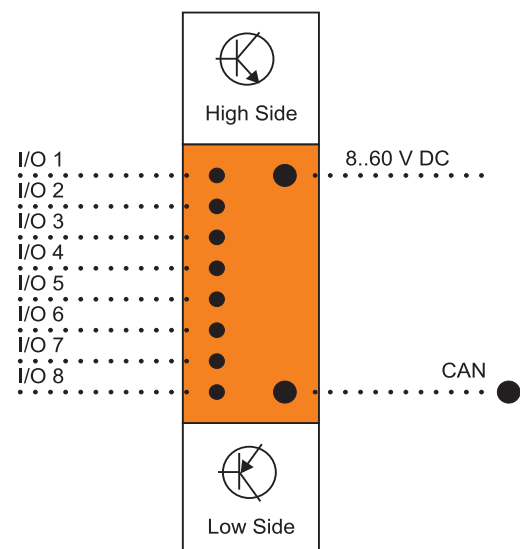
The 8 connectors can be programmed as any combination of digital inputs or outputs.

The μCAN.8.dio-SNAP can be connected to the central control unit via the CAN bus.



Features

- Free configuration of the 8 connectors as digital inputs or outputs
- Outputs can be charged up to 1.4 A (total 6A)
- High-side or low-side driver
- Protocol: CANopen CiA 401
- Display of device status and errors via LED
- Output driver with 5 to 50 V
- Working ambient temperature -40°C to +85°C



Technical Data	μCAN.8.dio-SNAP
Number of channels	8
Power supply voltage	8...60 V DC, reverse polarity protected / drivers 9..36V DC
Power consumption	1.5W (60mA @ 24V DC) without load
Potential isolation	--- (optional field bus / control voltage: 500V _{eff})
Operating temperature	-40°C...+85°C
Transfer rate	20kBit/sec to 1MBit/sec
Protocol	CANopen CiA 401 / DeviceNet / customer specific CAN 2.0A and 2.0B
Number of PDOs	1 transmit PDO / 1 receive PDO
Configuration	Connection as input/output via field bus
Baudrate and address	Bit rate and module address via DIP-switch
Status display	1 bi-color LED for module status information
Outputs	Not galvanically isolated from each other, long-term short circuit proof, maximum output current per output 1.4 A (total current over all outputs max. 6A) Detection of short circuit and overload / 5 – 50V DC
Inputs	Not galvanically isolated from each other Input voltage range "high" dynamic at 55% of driver input voltage
Protection class	IP20
Casing	DIN rail casing 22.5 x 114.5 x 99.0 mm (W x D x H)
EMC	according to EN 50082

Item Number	Designation
10.86.023	μCAN.8.dio-SNAP / 8-channel digital Input-/Output module with CANopen interface, no galvanic isolation , designed for DIN-rail mounting, connection via screw terminal, Low-Side driver .
10.86.020	μCAN.8.dio-SNAP / 8-channel digital Input-/Output module with CANopen interface, no galvanic isolation , designed for DIN-rail mounting, connection via screw terminals, High-Side driver .
10.86.022	μCAN.8.dio-SNAP / 8-channel digital input/output module with CANopen interface, no galvanic isolation , designed for rail mounting. Connection via screw terminal, integrated bus / power supply connector (side-by-side stackable), High-Side driver .
10.86.024	μCAN.8.dio-SNAP / 8-channel digital Input-/Output module with CANopen interface, galvanic isolation , designed for DIN-rail mounting, connection via screw terminals, High-Side driver .
10.86.021	μCAN.8.dio-SNAP / 8-channel digital input/output module with CANopen interface, galvanic isolation , designed for rail mounting. Connection via screw terminals, integrated bus / power supply connector (side-by-side stackable), High-Side driver .
10.86.025	μCAN.8.dio-SNAP / 8-channel digital input/output module with CANopen interface, galvanic isolation , designed for rail mounting. Connection via screw terminals, integrated bus / power supply connector (side-by-side stackable), Low-Side driver .