

## DIN-Rail Modules

**CANopen**<sup>®</sup>

**CAN**  
connected

**EtherCAT**<sup>®</sup>

**MicroControl**  
Systemhaus für Automatisierung



 made  
in  
Germany



## DIN-Rail Modules



CANopen®

CAN  
connected

EtherCAT®

The decentralized modules of the SNAP-series supply the link between sensors or actuators and digital networks. The flexible DIN-rail mounting together with highly efficient electronics and versatile functionality allows to serve a wide range of applications.

The modules are equipped either with a high-speed CAN or EtherCAT interface.

### Size

The SNAP-series housing is designed to the needs of the industrial application. The small size and weight makes it ideal for the use in a switching cabinet.

### Mounting

The industrial grade plastic housing is easily mounted on a DIN-rail.

### Adding of modules

When used as „Bus-housing“ modules can be easily added by means of the rear-connectors.

	μCAN.1.ai-SNAP μNET.1.ai-SNAP	μCAN.1.ti-SNAP μNET.1.ti-SNAP	μCAN.1.sg-SNAP μNET.1.sg-SNAP	μCAN.6.ai-SNAP μNET.6.ai-SNAP
Function	Analogue In	Temperature In	Strain gauge	Analogue In
I/O per module	1	1	1	6
Signal Type	+/-10V DC 0(4)..20mA-	Pt100 Thermocouple	strain gauge >300 Ohm 5V / 9V bridge supply	+/-10 V 0(4)..20mA
Accuracy	0,01% fsd	+/-0,1K	0,01% fsd	0,01% fsd
Resolution	16bit	16bit	16bit	> 16 bit
Sample Rate	20ms	20ms	20ms	20ms
Supply Voltage	12 .. 40V DC	12 .. 40V DC	12 .. 40V DC	8 .. 40V DC
Working Temperature	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C	-40°C .. +85°C

## DIN-Rail Modules



### CAN

The module supports a high-speed CAN interface. Higher layer protocols such as CANopen, J1939 or DeviceNet can be supplied.

### EtherCAT

As a standard for the measurement technology the modules can be equipped with an EtherCAT (CoE) interface.

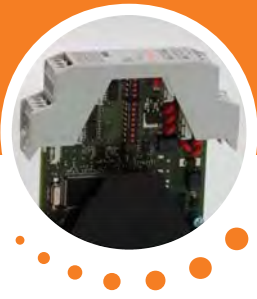
### DIP switches / CAN

Module ID and baudrate can easily be selected by means of DIP-switches on the module. Termination of CAN bus is also done by a switch.

### Fitting

Supply of signal and fieldbus chains is significantly simplified by use of screw terminal blocks implemented as pluggable connectors.

μCAN.8.ti-SNAP μNET.8.ti-SNAP	μCAN.8.dio-SNAP μNET.8.dio-SNAP	μCAN.4.ci-SNAP μNET.4.ci-SNAP	μCAN.8.pwm-SNAP μNET.8.pwm-SNAP
Temperature In	Digital In / Out	Counter In	PWM Out
8	8	4	8
Pt100 Thermocouple	High Side I/O Low Side I/O	1Hz .. 500kHz SSI	High Side Low Side
+/-0,1K 16bit 20ms	5..50V <1ms	+/-0,1Hz 0,1Hz	0..100% ( 0,5% Step ) 25Hz..5kHz base frequ.
8 .. 40V DC -40°C .. +85°C	8 .. 50V DC -40°C .. +85°C	8 .. 50V DC -40°C .. +85°C	8 .. 50V DC -40°C .. +85°C



# MicroControl

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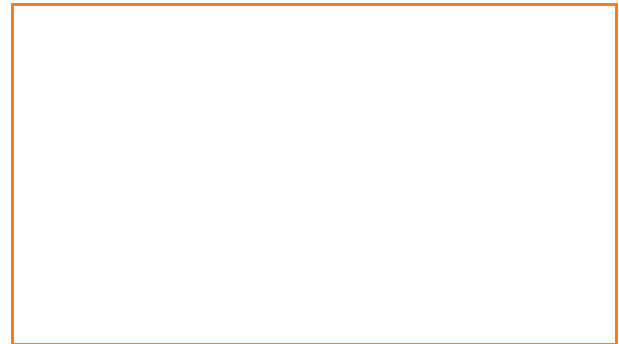
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## Customer specific solutions

The  $\mu$ CAN family supplies sufficient performance for the majority of decentralised control and regulation tasks. As a leading manufacturer of CAN bus factory floor equipment, we feel that we also offer the most comprehensive suite of customer specific, cost sensitive solutions.

Test us !



Sales partners

