

6-channel analogue data acquisition

μCAN.6.ai-SNAP

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The decentralized data acquisition unit **μCAN.6.ai-SNAP** is configured to acquire up to 6 analogue signals 0(4)..20mA or +/-10V.

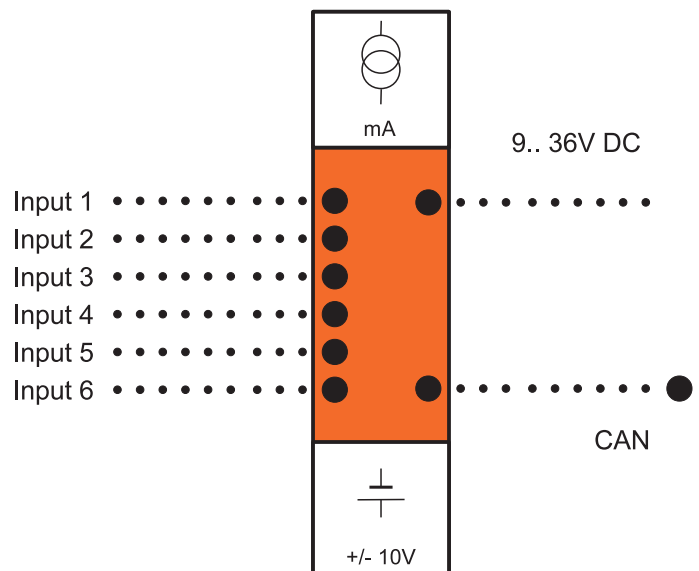
Due to its narrow and compact structure our μCAN unit is ideally suited for DIN-rail assembly in a control cabinet.

Plug-in screw terminals facilitate quick integration of the **μCAN.6.ai-SNAP** into your systems.



Features

- CANopen protocol CiA 404
- Acquisition of up to 6 analogue signals 0(4)..20mA
- Acquisition of up to 6 analogue signals +/-10V
- 16-bit resolution / 50Hz sampling rate
- DIN-rail fastening TS35
- Extended ambient temperature range -40°C .. +85°C



Technical Data	Analogue data acquisition μ CAN.6.ai-SNAP
Number of Channels	6
Power supply voltage	9...36 V DC, reverse polarity protected
Power consumption	up to 1W (42mA @ 24V DC) / no-load operation
Operating temperature	-40°C...+85°C
Transfer rate	50kBit/sec to 1MBit/sec
Protocol	CANopen CiA 301 and CiA 404 (CAN 2.0A and 2.0B)
Number of PDOs (CANopen)	4 transmit PDOs
Configuration	Sensor type via field bus Bit rate and module address via DIP-switches
Status display	Bi-colour LED for system status information
Protection class	IP20
Casing	Rail casing 22.5 x 128.8 x 102.0 mm (B x T x H)
EMC	EN 50082-compliant
Vibration resistance	---
Shock resistance	---
Resolution/conversion time	16-bit / 20m
Signal type / Input error @ 23°C ambient temperature	0..20mA, accuracy 0.02% fsd, resolution 0.001 mA +/-10V, accuracy 0.02% fsd, resolution 0.001V

Order No.	Description
10.80.010	μ CAN.6.ai-SNAP / Current / no galvanic isolation 6-channel analogue signal acquisition module with CANopen, no galvanic isolation, signal type 0(4)-20mA , connection of all signal wires via COMBICON plugs.
10.80.011	μ CAN.6.ai-SNAP / Current / galvanic isolation 6-channel analogue signal acquisition module with CANopen, galvanic isolation, signal type 0(4)-20mA , connection of all signal wires via COMBICON plugs.
10.80.103	μ CAN.6.ai-SNAP / Voltage / no galvanic isolation 6-channel analogue signal acquisition module with CANopen, no galvanic isolation, signal type +/-10V DC , connection of all signal wires via COMBICON plugs.
10.80.104	μ CAN.6.ai-SNAP / Voltage / galvanic isolation / 6-channel analogue signal acquisition module with CANopen, galvanic isolation, signal type +/-10V DC , connection of all signal wires via COMBICON plugs.