

1-channel analogue acquisition

μCAN.1.ai-SNAP

1-channel analogue acquisition for current or voltage signals with 16-bit resolution

The decentralized data acquisition unit μCAN.1.ai-SNAP is configured to acquire analogue signals.

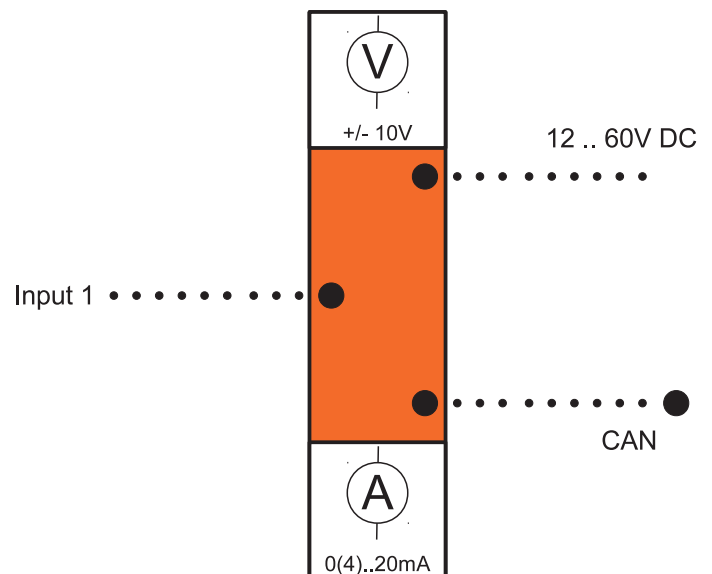
Due to its narrow and compact structure our μCAN unit is ideally suited for DIN-rail mounting in a control cabinet.

Plug-in screw terminals facilitate quick integration of the μCAN.1.ai-SNAP into your systems.



Features

- Acquisition of 1 analogue signal with 16-bit resolution for standard signals +/- 10V, 0-20mA and 4-20mA
- DIN-rail fastening TS35
- Protocol: CANopen CiA 404
- Extended ambient temperature range of -40°C...+85°C
- Relay output for alarm values



Technical Data	Analogue acquisition μ CAN.1.ai-SNAP
Number of channels	1
Power supply voltage	12...60 V DC, reverse polarity protected
Power consumption	1 W (42mA @ 24V DC)
Potential isolation	--- (optional fieldbus/control voltage.: 500Veff)
Operating temperature	-40°C...+ 85°C (others upon request)
Transfer rate	10kBit/sec up to 1MBit/sec
Protocol	CANopen CiA 404 (CAN 2.0A and 2.0B)
Number of PDO (CANopen)	2 transmit PDOs
Configuration	Sensor type via fieldbus Bit rate and module address via DIP-switches
Status display	1 bi-colour LED flashing indicator for status information
Protection class	IP 20
Casing	DIN-rail casing 22,5x114,5x99mm (WxLxH)
EMC	EN 50082 compliant
Vibration resistance	---
Shock resistance	---
Resolution / Conversion time	16 bit / 20ms
Signal type / input error @23°C ambient temperature	+/-10V DC accuracy 0.01% fsd, input resistance 500 kOhm 0-20mA accuracy 0.01% fsd, input resistance 120 Ohm 4-20mA accuracy 0.01% fsd, input resistance 120 Ohm

Order Number	Description
10.70.001	μ CAN.1.ai-SNAP / voltage 1-channel analogue signal acquisition module with CANopen, no galvanic isolation , signal type +/- 10VDC . Connection of all signal wires via COMBI-CON plug.
10.70.002	μ CAN.1.ai-SNAP / voltage 1-channel analogue signal acquisition module with CANopen, galvanic isolation , signal type +/- 10VDC . Connection of all signal wires via COMBI-CON plug.
10.70.101	μ CAN.1.ai-SNAP / current 1-channel analogue signal acquisition module with CANopen, no galvanic isolation , signal type 0(4)-20mA . Connection of all signal wires via COMBI-CON plug.
10.70.102	μ CAN.1.ai-SNAP / current 1-channel analogue signal acquisition module with CANopen, galvanic isolation , signal type 0(4)-20mA . Connection of all signal wires via COMBI-CON plug.