4-channel counter

µCAN.4.ci-SNAP
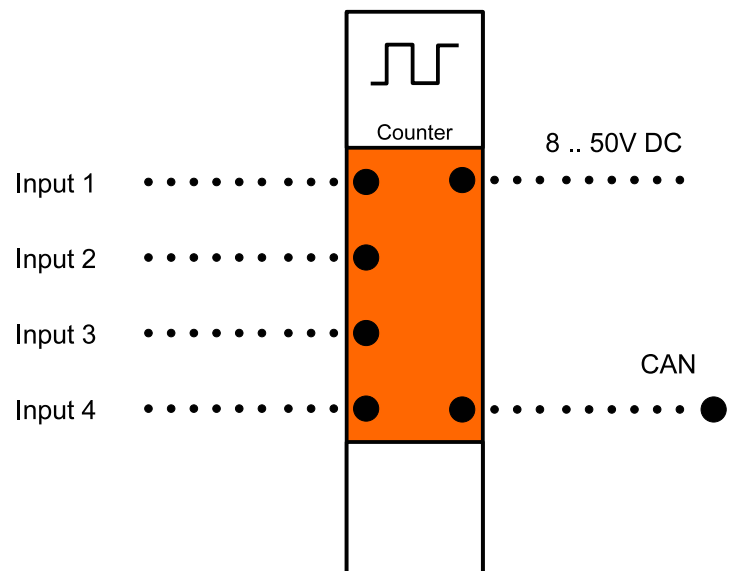
4-channel up/down counter of up to 100 kHz

The **µCAN.4.ci-SNAP** is equipped with 4 fast up/down counters of up to 100 kHz. The CAN unit acquires binary impulses which are processed and sent on to an automation device via galvanically isolated wires. In addition, input signal frequencies may be set according to specific requirements.

Depending on the counter value the 4 outputs are switched and can be used as fast control signals. Outlets may be loaded up to 1.4 A and are short circuit protected.

Features

- 4 up/down counters
- Frequency measurement
- 4 outputs for control signals
- Outlets to be loaded up to 1.4 A
- Protocol: CANopen CiA 404
- LED for device status indication

Counter

8 .. 50V DC

Input 1

Input 2

Input 3

Input 4

CAN

I/O Module   Steuerungen   Protokollstacks   Dienstleistungen   www.microcontrol.net

Technical Data	4-channel counter µCAN.4.ci-SNAP
Number of channels	4 fast counters, 4 I/O channels freely configurable
Power supply voltage	8...60 V DC, reverse polarity protection
Power consumption	1.5W (60mA @ 24V DC) no-load
Potential isolation	Field bus / control voltage: 500V_{eff}
Operating temperature	-40°C...+85°C (others upon request)
Transfer rate	50kBit/sec up to 1MBit/sec
Protocol	CANopen CiA 404 (CAN 2.0A and 2.0B)
Number of PDOs	2 transmit PDOs
Configuration	Input / output mode via field bus Bit rate and module address via DIP-switches
Status display	1 bi-color LED for module status information
Outputs	No galvanic isolation of outputs, long-term short circuit protection, maximum output current per output 1.4 A (total current over all outputs up to 6A) Short circuit and overload detection / 5 – 50V DC
Inputs	No galvanic isolation of inputs Input voltage range "high" dynamic at 55% of driver input voltage max. input frequency 500kHz
Measurement frequency	100 kHz
Protection class	IP20
Casing	DIN rail casing 22.5 x 114.5 x 99.0 mm (W x D x H)
EMC	EN 50082-compliant

Item Number	Designation
10.88.006	µCAN.4.ci-SNAP 4-channel counter module with CANopen, **no galvanic isolation**, designed for rail mounting, connection via screw terminals.
10.88.007	µCAN.4.ci-SNAP 4-channel counter module with CANopen, **galvanic isolation**, designed for rail mounting, connection via screw terminals.