



4-channel counter

μCAN.4.ci-BOX

4-channel up/down counter up to 100 kHz

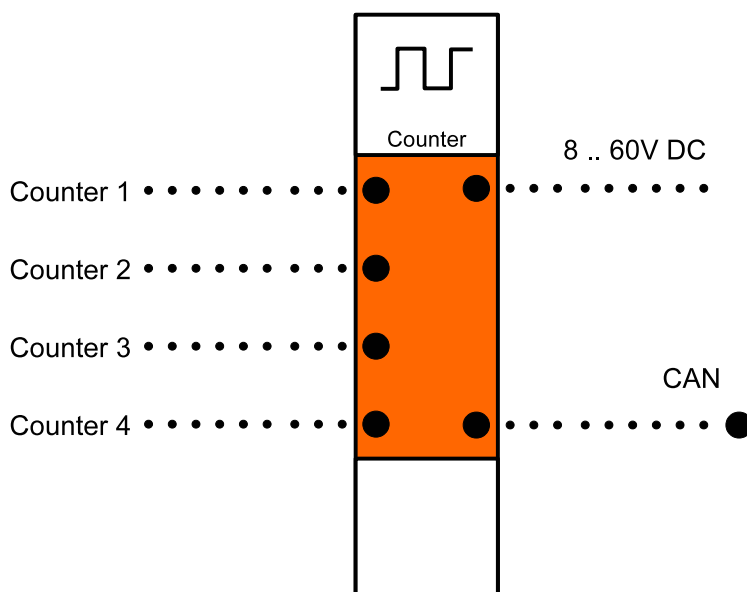
The μCAN.4.ci-BOX is equipped with 4 fast up/down counters of up to 100 kHz. The CAN unit acquires binary impulses which are processed and transmitted to a super-ordinate system via galvanically isolated connections. In addition, input signal frequencies may be set according to specific requirements.

4 outputs are switched according to the respective counter status and can be utilized as high-speed 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
- LEDs for device and signal status indication
- 3-conductor plugs



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Technical Data	4-channel counter μ CAN.4.ci-BOX
Number of channels	4 high-speed counters, 4 I/O terminas freely configurable
Power supply voltage	8...60 V DC, reverse polarity protected
Power consumption	1.5 W (60 mA @ 24 V DC) without load
Electrical isolation	Field bus / control voltage: 500 V _{eff}
Operating temperature	-40°C...+85°C (others on request)
Transfer rate	50 kBit/sec to 1MBit/sec
Protocol	CANopen CiA 404 (CAN 2.0A and 2.0B)
Number of PDOs (CANopen)	2 transmit PDOs
Configuration	Selection of input / output mode via field bus Bit rate and module address via DIP-switches
Status display	2 bi-color LEDs for module status information 8 bi-color LEDs for input / output status
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 6 A) Short circuit and overload detection / 5 – 50 V DC
Inputs	No galvanic isolation of inputs Input voltage range "high" dynamic at 55% of driver input voltage
Measurement frequency	100 kHz
Protection class	IP66
Casing	Die -ast aluminum 125x80x57mm (LxWxH)
EMC	EN 50082-compliant

Order Number	Description
12.88.008	μ CAN.4.ci-BOX 4-channel counter module with CANopen, designed for metric cable glands. Connection via spring-cage connectors.
90.01.114	Metric cable installation kit for 4-channel modules.