

# 4-channel counter

## μCAN.4.ci-BOX

### 4-channel forwards / backwards counting module up to 500 kHz

The μCAN.4.ci-BOX is equipped with 4 fast counters up to 500 kHz. The binary impulses are acquired through the CAN-module, processed and sent to the superordinate system.

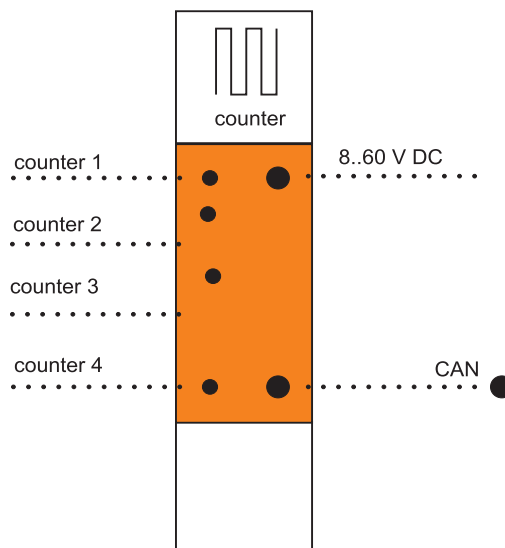
Additional 4 I/O terminals can be configured optional as digital inputs or outputs.

The outlets are protected against overload and short circuit. The μCAN.4.ci-BOX is connected with the central control unit via the CAN-interface.



### Features

- 4 counters
- 4 I/O terminals freely configurable
- outlets can be loaded with 1,4 A
- Protocol: CANopen DS-401
- display of status and error by LEDs
- 3-conductor plugs
- output voltage from 5 .. 50 V



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<b>Technical Data</b>	<b>4-channel counter <math>\mu</math>CAN.4.ci-BOX</b>
<b>Channels</b>	4 fast counter, 4 I/O-Kanäle free configurable
<b>Supply Voltage</b>	8...60 V DC, polarity protected
<b>Power Consumption</b>	1,5 W (60mA @ 24V DC) without demand
<b>Galvanical Isolation</b>	channel/control voltage.: 500Veff, fieldbus/control voltage.:500Veff
<b>Working Temperature</b>	-40°C...+ 85°C
<b>Supported Bitrates</b>	10kBit/sec to 1MBit/sec
<b>Protocol</b>	CANopen DS-401/DeviceNet/customer specific CAN/CAN 2.0A and 2.0B
<b>Number of PDO (CANopen)</b>	2 transmit PDOs / 1 receive PDO
<b>Configuration</b>	connection as in-/output by fieldbus bitrate and module address by DIP-switches
<b>Status Indicator</b>	2 bi-color LEDs for module status information 8 bi-color LEDs for the in-/output
<b>Output</b>	no galvanic isolation among each other, short-circuit-proof, max. output current per output 1,4A (sum current of all outputs max 6A) identification by bypass and overload / 5..50V DC
<b>Input</b>	no galvanic isolation among each other, input voltage range „high“ dynamic by 55% which driver-unit-input-voltage
<b>Mensural Frequency</b>	500 kHz
<b>Protection Class</b>	IP 66
<b>Housing</b>	Alu - Diecast 125x80x57mm (LxWxH)
<b>EMC</b>	according to EN 50082

<b>Order Number</b>	<b>Description</b>
<b>12.88.002</b>	$\mu$ CAN.4.ci-BOX 4-channel counter module with CANopen, configured for metrical cable fastening. Connection through screw clamps.
<b>90.01.115</b>	metrical cable installation kit for 8-channel fieldmodules
<b>11.88.9xx</b>	$\mu$ CAN.4.ci-BOX manual in English

*Changes without notice  
Revision A*