



- Compact CAM
- Camshaft gear: 32 cam tracks / 1024 cams
- Dynamic times: (0) 1...255ms for 16 several times
- Resolution: 3600 steps / revolution (1/10°)
- Cycle time 1ms
- Absolute encoder interface SSI with CRC
- 4 digital inputs
- Cascadable systems via SSI (input / output)
- Optional fieldbus interface CANopen or ProfibusDP
- Optional display for encoder angular position

## Attributes

### Cam steering

32 cam tracks with dynamic correction (dynamic times: 1 for decreasing and 1 for increasing flanks per cam track are possible). Programming from up to 1024 cams possible. Single cams and multiple cams are possible at each track.

### Funktions

Up to 4 programmes can be selected using by digital inputs, optional CANopen or ProfibusDP interface\*.

### Distance-measuring-systems

Use any absolute distance- or position-measuring-system with maximum resolution of 32 Bit, intern translation into 3600 steps / revolution.

### Interfaces

Serial interfaces: RS232, optional RS485\*.

### Handling

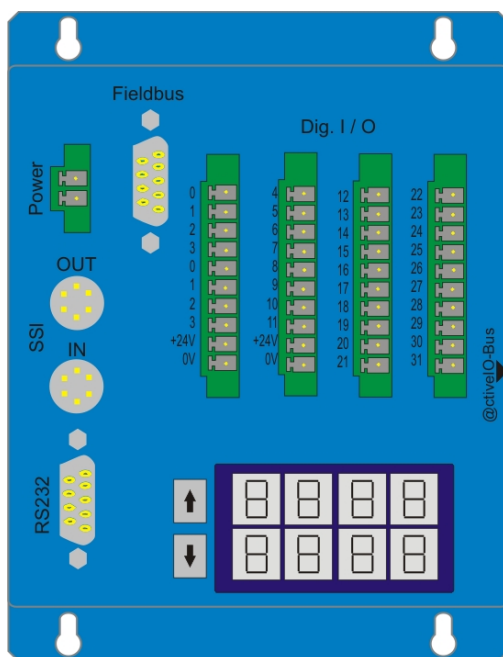
Parameter setting supported from @ctiveIO-Toolkit via serial interface.

Graphic and parametric programming with overview of all cams and tracks.

Firmware service update possible trough an serial interface.

\* on request

## Pinout



Power	
0V / +24V	Power supply
Option CANopen / ProfibusDP	
Pin 2	Can_L / -
Pin 3	CAN_GND / PB_B
Pin 4	- / PB_RTS
Pin 5	CAN_SHLD / PB_GND
Pin 6	- / +5V
Pin 7	CAN_H / -
Pin 8	- / PB_A
Dig. I / O	
0 - 3	Digital input
0 - 31	Digital output
RS232	
Pin 2	Rx
Pin 3	Tx
Pin 5	GND
SSI IN / OUT	
Pin 1	C1+ / D1+
Pin 2	C1- / D1-
Pin 3	D1+ / C1+
Pin 4	D1- / C1-
Pin 5	+24V
Pin 6	0V
Option Display	
Position cam track 1	
Position cam track 2	

## @compact CAM

### Electrical Data

Power supply external .....	+24V DC $\pm$ 20%
Operating Current .....	xxmA at +24V
Protection .....	30V overvoltage, surge
Output current .....	high side switch, 0,5A per track, max. current 8A per contact

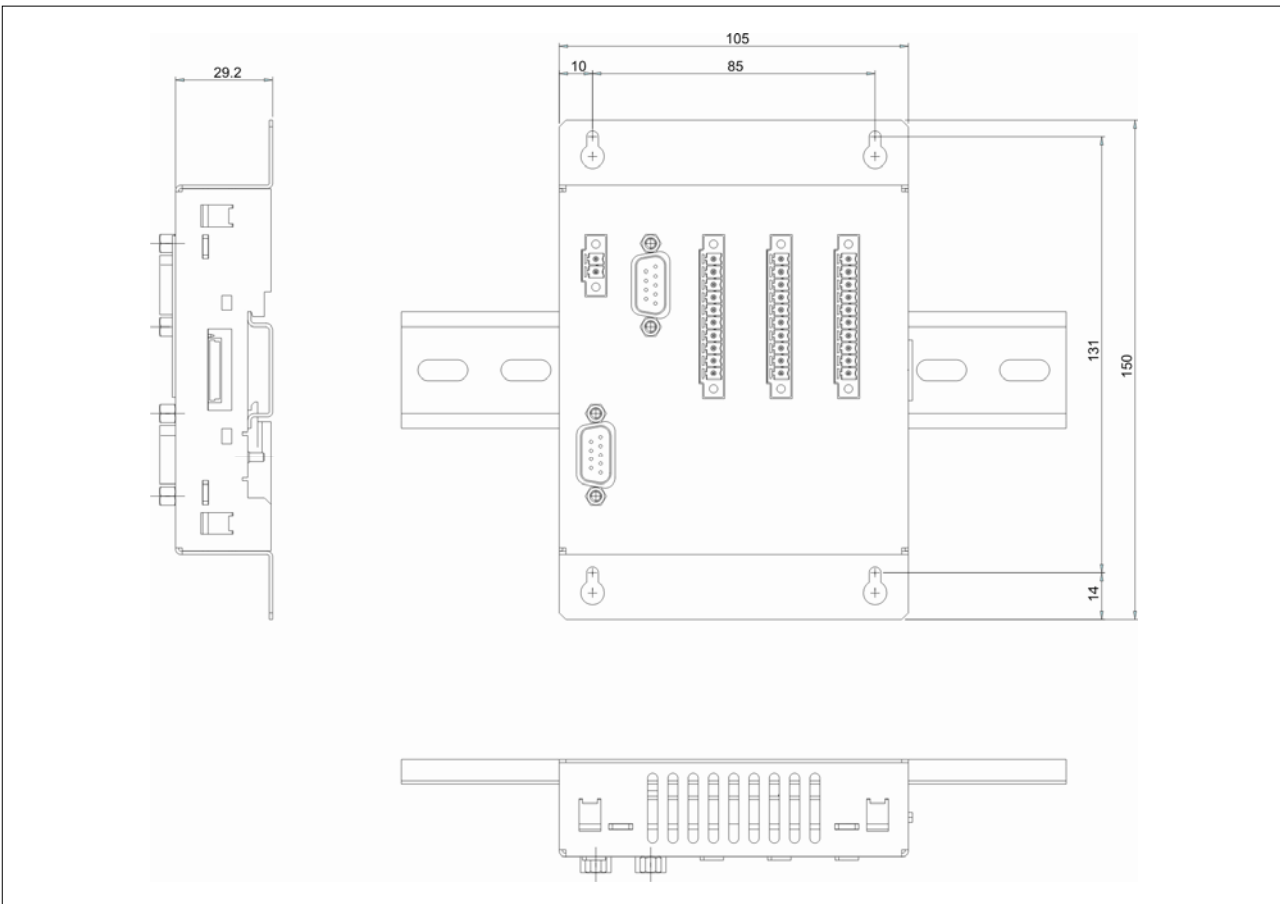
### Environmental Conditions

EMC .....	EN 61000-4-2 (IEC-801-2) / EN 61000-4-4 (IEC-801-4)
Operating temperature .....	-10...+55 °C
Storage temperature .....	-20...+65 °C
Humidity (rel) .....	25% .. 85% (non condensing)
Protection class * .....	IP 20 (DIN 40 050)
* The protection class is valid only with housing and connector installed	

### Mechanical Data

Weight .....	approx. 0.35kg including connector
Dimension .....	105 x 150 x 29.2mm

### Drawing (effective if mounted in @M housing)



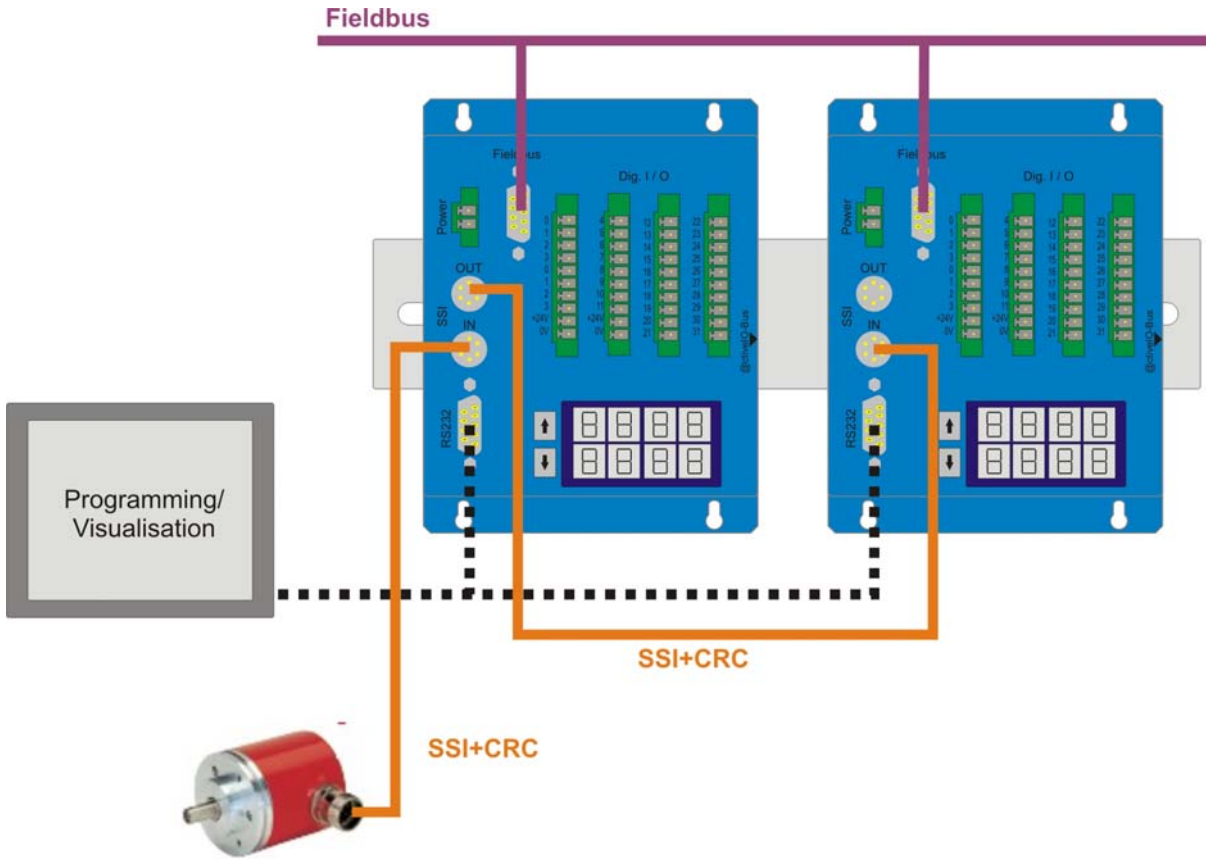
### Ordering Key

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**notes:**

**Example of application**



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