

Controller @C200FO

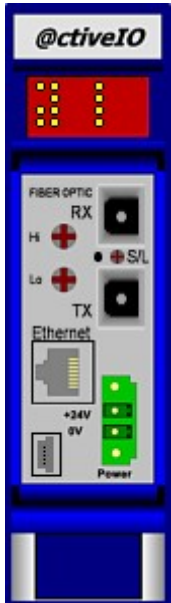
CPU



- 10/100Mbit Ethernet Interface
- TCP/IP, RS232 for programming and diagnostic
- Fiberoptic Fieldbus
- 2.5 MBaud
- Program download by ftp
- @Control *)
 @Control - Web-based parameter setting, system control and e-mail information system *)

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Pinout



LED:	
RUN	CPU: ok
DIAG	CPU: diagnostic LED
ERR	CPU: Error LED
SDX	CPU: system data transmission @BUS
ACT	Ethernet: Transmit
LINK	Ethernet: link ok
SP	Ethernet: Off: 10Mbit; on:100Mbit
COLL	Ethernet: Collision
CYC	Fiberoptic data
PAE	Fiberoptic error
WD	Write telegramm to modul
S/L	on: long cable off: short cable
Rotary switch:	
Hi:	Reserved
Lo:	Reserved
Connectors:	
Ethernet:	RJ45 10/100Mbit
Serial:	Mini USB RS232 Pin 1: RX Pin 2: TX Pin 3: GND
Power:	Phoenix Minicombicon Pin 1: 24 V Pin 2: 0 V

Attributes

10/100Mbit Ethernet Interface:

Serial interfaces: RS232, optional RS485*
 The @C200-FO contains a ARM7 core controller

IP-Address:

IP-Adress would be given by @ctiveIO-Toolkit
 Rotary switch for fieldbus-address

Fieldbus Interface:

The @C200-FO connects the fiberoptic lightbus system to the IO-Modul. The bus-address is assigned by the software of the lightbus-master to the modul. An adjustment with Hex-switch or DIP-switch is not necessary.

CPU specifications:

Flash memory :..... 2 MByte (16 Bit)
 SDRAM : 8 MByte (32 Bit)
 CPU clock :.....44 MHz

FO specifications:

FO controller :..... IIO-lightbus system

System specifications:

- Hardware supervisor system :
- temperature control
 - power control
 - hardware watchdog
 - power fail system
 - supports UPS

*) on request

Electrical Data

Power supply external.....	+24V= ± 20%, see notes
Operating Current	245mA at +24V
Protection	30V overvoltage, surge
Interfaces	RS232, 10/100Mbit Ethernet

Controller @C200FO

System Information

System ID	0x1211
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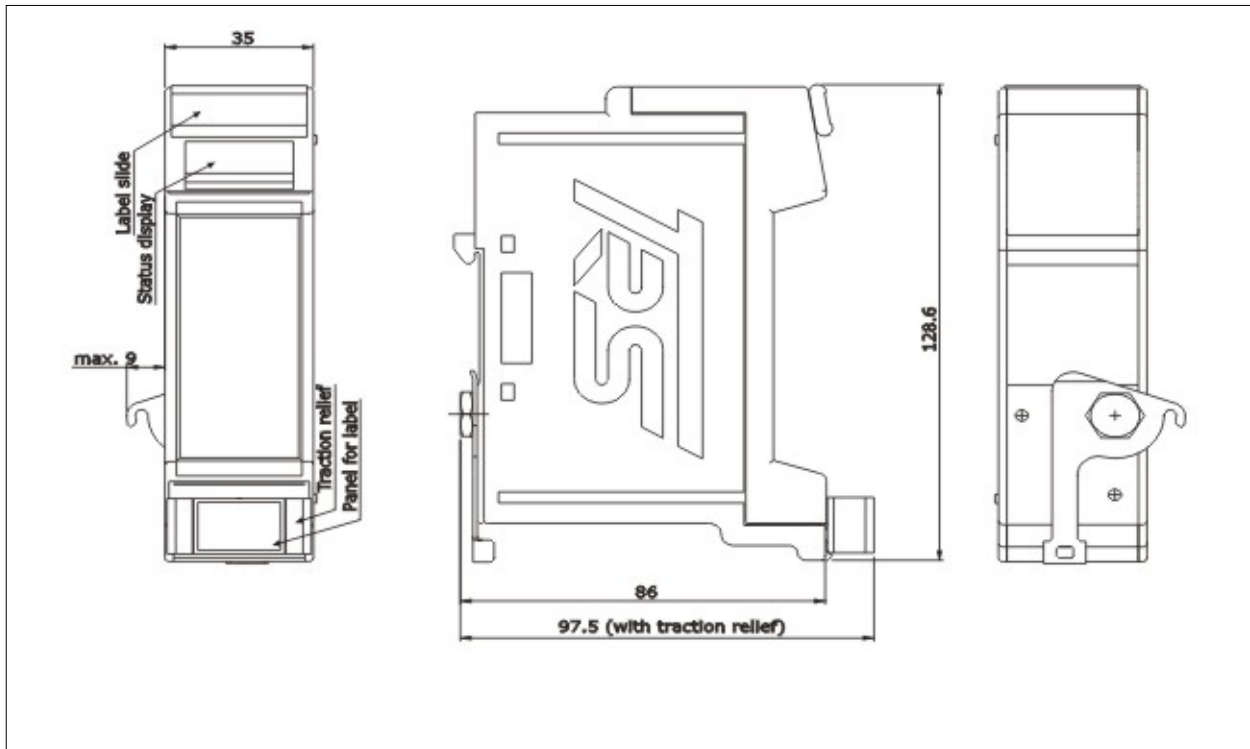
Environmental Conditions

EMC	EN 61000-4-2 (IEC-801-2) / EN 61000-4-4 (IEC-801-4)
Operating temperature [°C]	0 .. +55
Storage temperature [°C]	-20 .. +70
Humidity (rel)	98 % (non condensing)
* Protection class	IP 20 (DIN 40 050)
* The protection class is valid only with housing and connector installed	

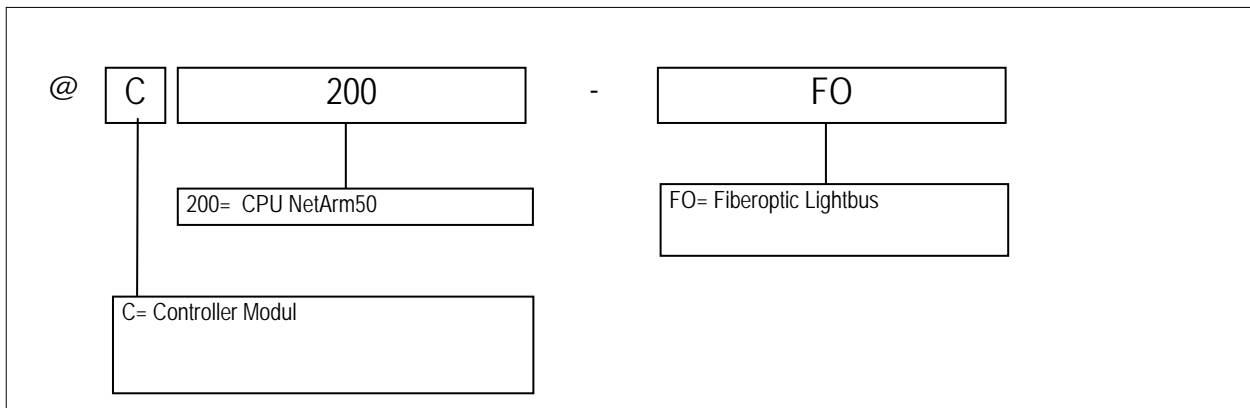
Mechanical Data

Weight	approx. 0.28 kg including connector
Dimension	105 x 80 mm

Drawing (effective if mounted in @M housing)



Ordering Key



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notes:

Description of the LEDs:

LED	Status	Description
RUN	ON	CPU is running
DIAG	ON	Diagnostic information available: Warning / Error
ERR	ON	Error on fieldbus, no diagnostic information available
	Flashing	Error (see diagnostic information)
SDX	ON	Data on @Bus
ACT		Datatransfer on network
LINK	ON	Network connected
SP	ON	Netspeed 100Mbit
COLL	ON	Datacollision on Network
CYC	ON	Fiberoptic data
PAE	ON	Fiberoptic error
WD	ON	Write telegramm for modul

Special operating modes (DIAG and ERR LED):

ftp server active: DIAG and ERR in alternating blink mode

System init in progress: DIAG and ERR in concurrent blink mode

Caution:

If using interface moduls of type @5xxx power 0V of the controller has to be directly connected with power 0V of the @5xxx-modul and power 0V of the interface partner of the @5xxx-modul.

Revision change

Version	Description	Date (m/y)
00	Serie 0	11/02

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