

Controller @C200-MB

CPU



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

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Pinout, Display

LED:	
RUN	CPU: ok
DIAG	CPU: diagnostic LED
ERR	CPU: Error LED
S DX	CPU: system data transmission @BUS
ACT	Ethernet: Transmit
LINK	Ethernet: link ok
SP	Ethernet: Off: 10Mbit; on:100Mbit
COLL	Ethernet: Collision
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-MB contains a ARM7 core controller

IP-Address:

IP-Adress would be given by @ctiveIO-Toolkit.

Fieldbus Interfaces

The @C200-MB connects the Modbus system to the I/O-Moduls.

Transfer-Protokoll:

- RS232 ASCII / RTU
- Ethernet..... RTU

CPU specifications:

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

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(Modbus)

Controller @C200-MB

System Information

System ID0x1273

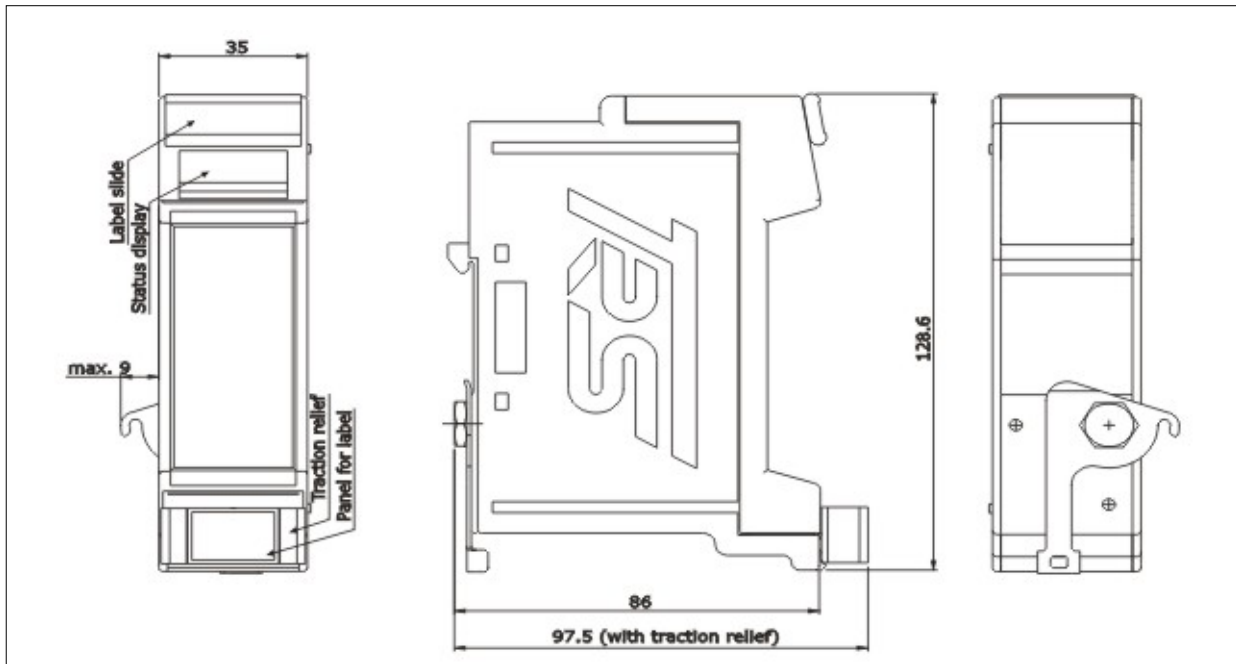
Environmental Conditions

EMCEN 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

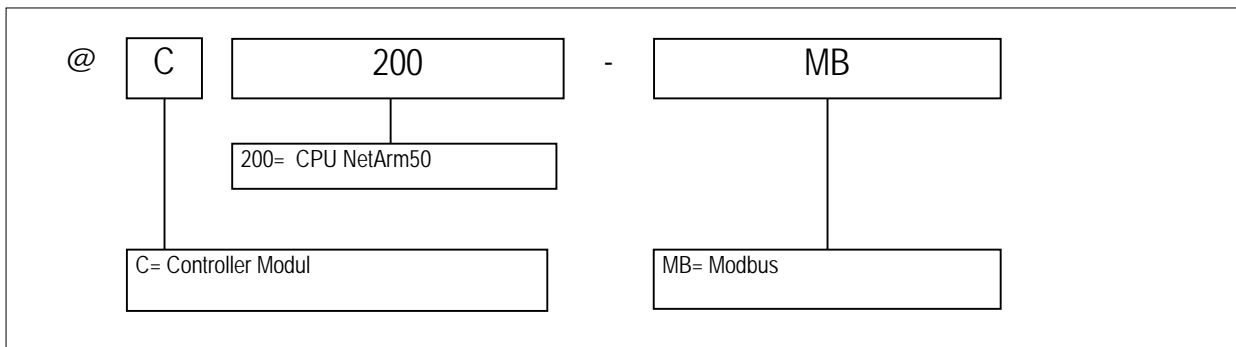
Mechanical Data

Weightapprox. 0.28 kg including connector
 Dimension105 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

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	12/02

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