

Controller @C201-EN

CPU



- 10/100Mbit Ethernet Interface
- TCP/IP, RS232 for programming and diagnostic
- Ethernet IO
- 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: *) see notes	
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
Rotary switch:	
Hi:	Reserved
Lo:	Reserved
Connectors:	
Ethernet:	RJ45 10/100Mbit
Serial:	Mini USB RS232 Pin 1: TX Pin 2: RX Pin 3: GND
Power:	Phoenix Minicombicon Pin 1: 24 V Pin 2: 0 V

Attributes

10/100Mbit Ethernet Interface:
 Additional Fieldbus-interface available.
 Serial interfaces: RS232, optional RS485*.
 The @C201-EN contains a ARM7 core controller.

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

CPU specifications:
 Flash memory : 2 MByte (16 Bit)
 SDRAM : 8 MByte (32 Bit)
 SRAM : 1 MByte (32 Bit)
 NVRAM : 64 KByte (16 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	95mA at +24V
Protection	30V overvoltage, surge
Interfaces	RS232, 10/100Mbit Ethernet

Controller @C201-EN

System Information

System ID	0x1272
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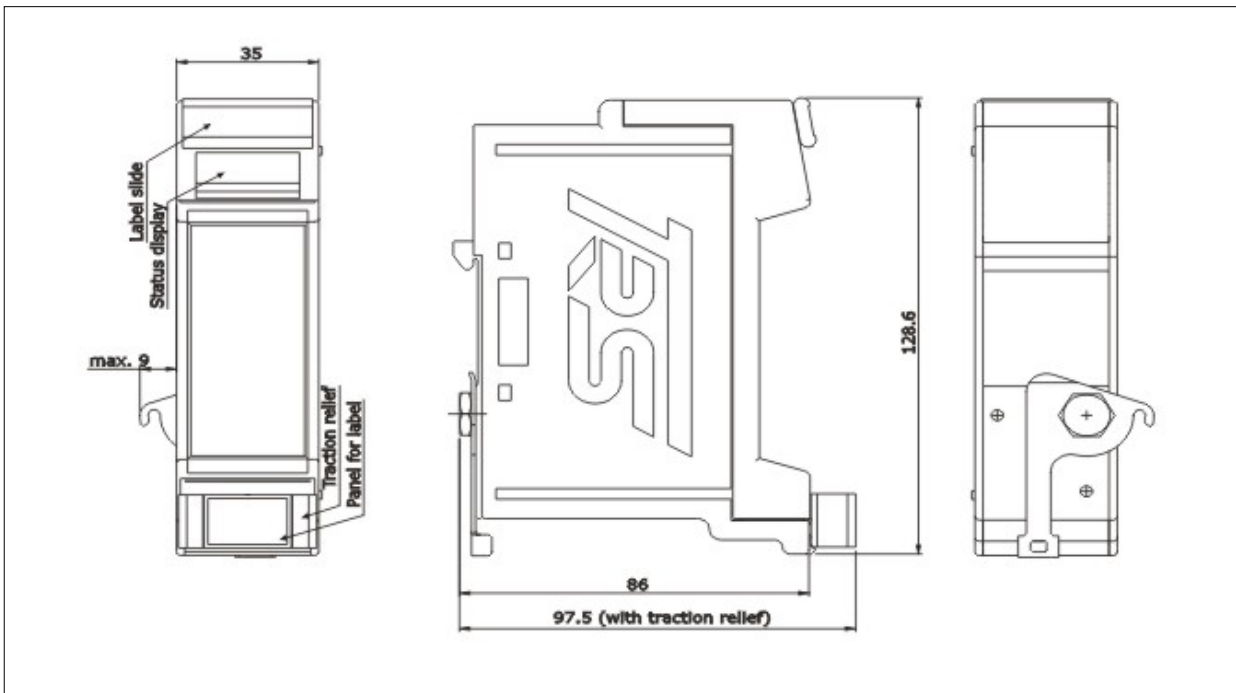
Environmental Conditions

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	

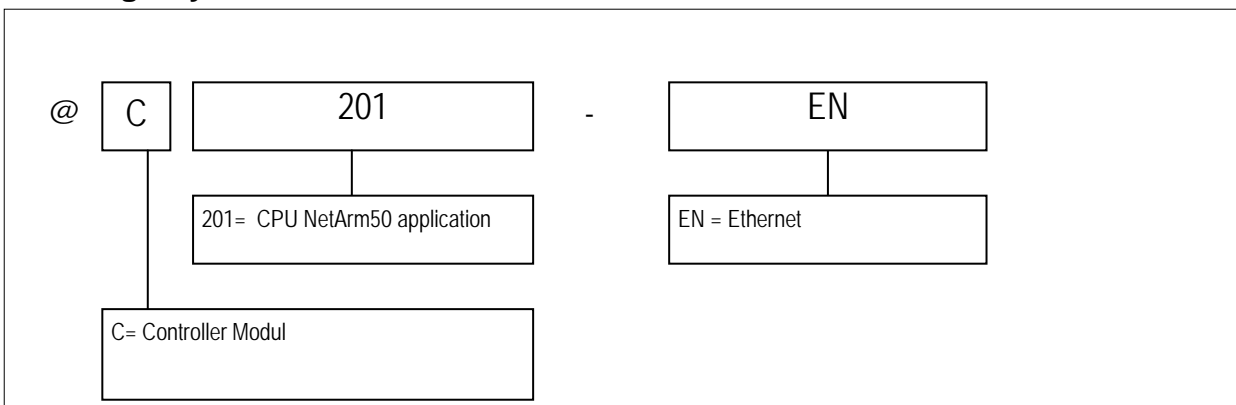
Mechanical Data

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

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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