

[19135]

Category: Automation systems



Touch Terminal
Colour

DIGICONTROL **ems4.ec3-TE**

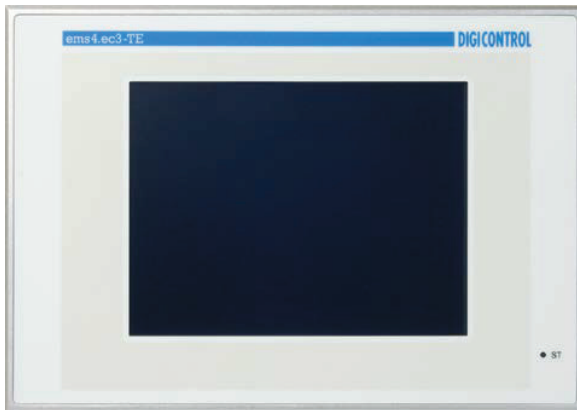


Figure: ems4.ec3-TE

Application

The ems4.ec3-TE is a self-contained operating display for operating the automation stations ecs3.+ , ecs1.+ , PCD1.NT, ems2 and ems4. The display has various communication interfaces for this purpose: Terminal bus (RS485), SysLink (CAN bus) and UDP Terminal BUS (Ethernet). After you have finished programming an automation station, you do not need to configure anything else on the ems4.ec3-TE. The operating dialogues that are stored in the automation station are used by the ems4.ec3-TE to operate the system.

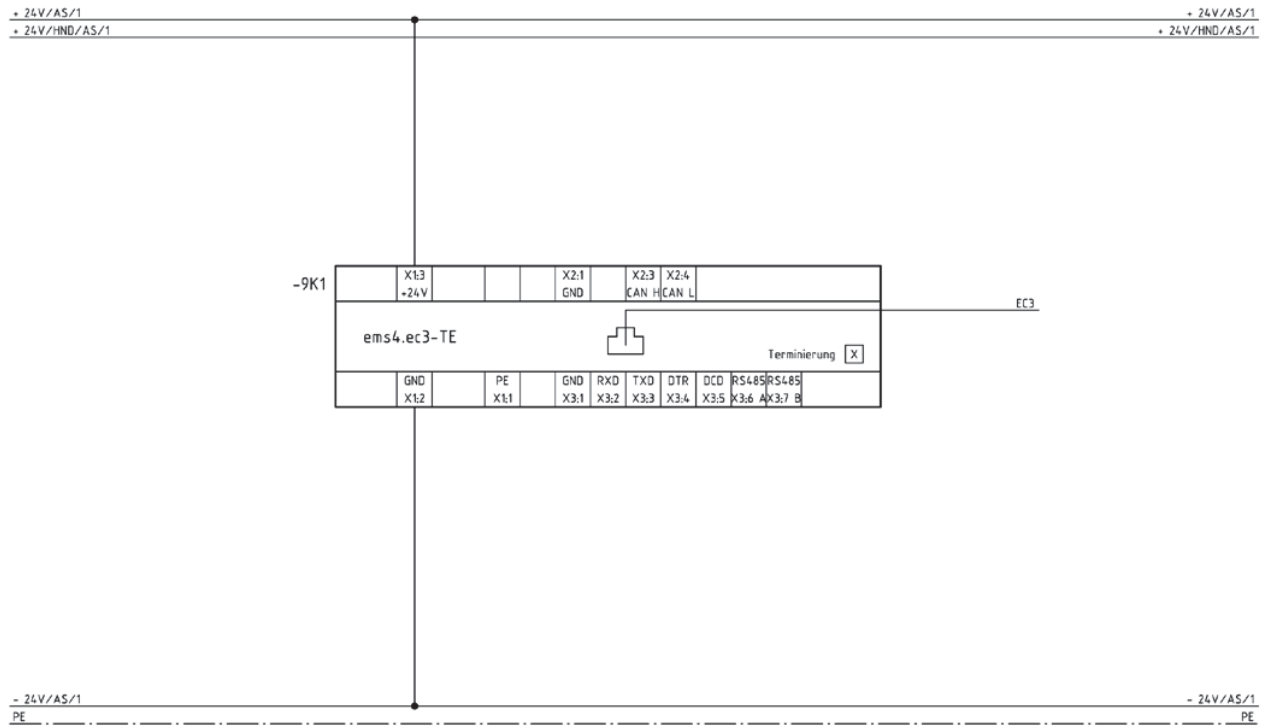
If necessary, see the ems4.ec3-TE operating manual for further information.

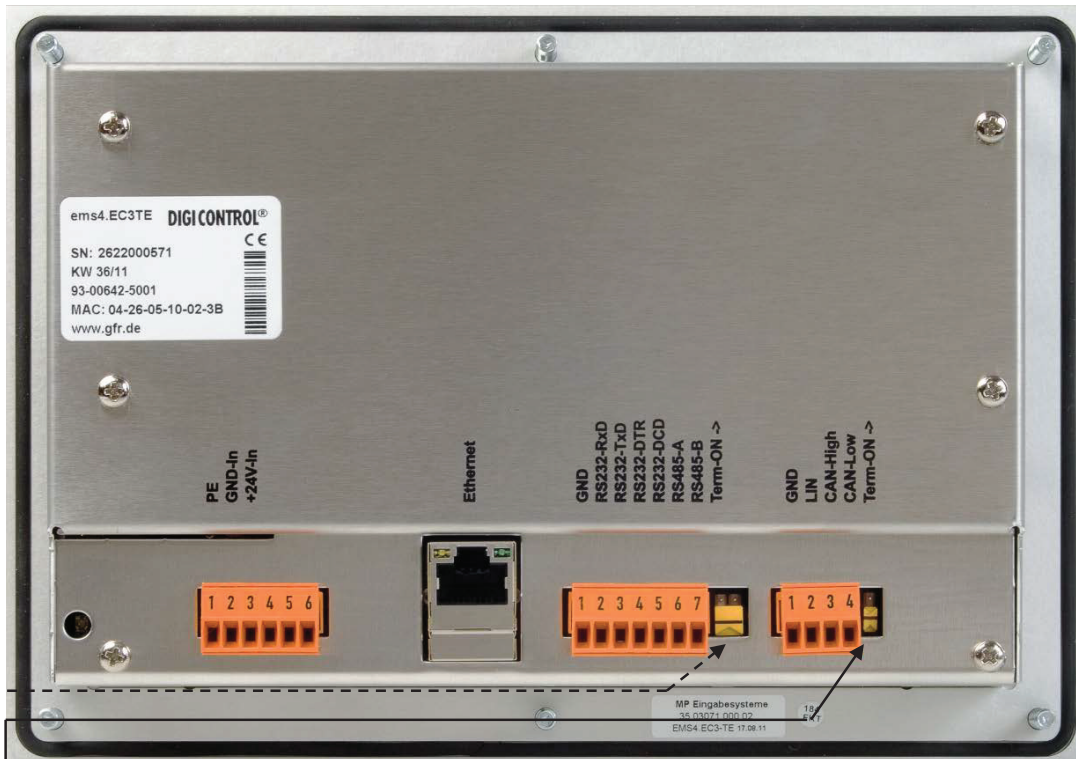
Specifications

Supply voltage	DC 24 V \pm 10%
Power consumption	6 W
Display	5.7" touch screen
Graphics resolution	320x240 pixels, 65,536 colours, brightness: 800 cd/m ² , contrast: 1:800
Backlighting	LED backlight
System bus	SysLink (CAN), T bus (RS485), UDP T bus (Ethernet)
Network connection	1 x Ethernet 10/100 Mbits via RJ45 plug
Interfaces	1 x RS232 including modem function, 1 x RS485
Assembly	Front panel installation directly with frame
Humidity	Up to 85%, without condensation
Storage temperature	-10 to +70 °C
Operating temperature	+5 to +40 °C
Dimensions WxHxD	203 x 143 x 45 mm
Degree of protection	IP54 at front, IP20 at rear
Data logger function	Max. 5 trend patterns, with 5 trend recordings each
Display	Max. 40 colours, dynamic system graphics each with max. 32 dynamisations
CE conformity	EN55011, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-3-2, EN61000-3-3, EN61000-4-11,



Electrical connection





X1

PE	GND	DC 24 V
1	2	3	4	5	6

X3

GND	COM1 RXD (modem, printer)	COM1 TXD (modem, printer)	COM1 DTR (modem)	COM1 DCD (modem)	RS485-A (terminal bus)	RS485-B (terminal bus)
1	2	3	4	5	6	7

X2

GND	...	CAN High (SysLink)	CAN Low (SysLink)
1	2	3	4

CAN bus termination (bottom = open, top = closed)

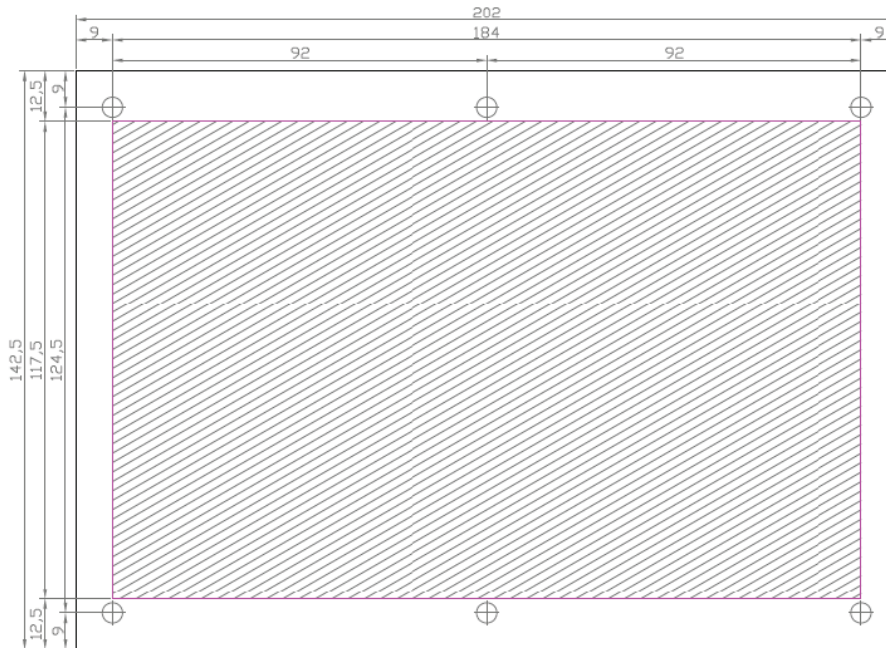
RS485 bus termination (bottom = open, top = closed)

Configuration

See the ems4.ec3-TE operating manual.

The "ec3-TE-Ethernet-Grafic configurator" program is used to produce colour system graphics.

Dimensions



Installation instructions

The following dimensions must be observed for control cabinet front panel installation:

1. Installation dimensions WxHxD: 202 x 142.5 x 50 mm
2. Punching dimensions: Width 184 mm x height 117.5 mm
3. 6 drill holes \varnothing 5 mm for 6 M4 threaded bolts

Other:

Please follow the installation instructions in the ems4 operating manual.

The modules may only be removed from or connected to the bus connector when it is disconnected from the power supply. Failure to observe this can cause the device to become defective.

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