



Display	
Screen diagonal	5.7 in
Resolution (pixels)	
• Horizontal image resolution	320
• Vertical image resolution	240
Backlighting	
• MTBF backlighting (at 25 °C)	50 000 h
Control elements	
Keyboard	
• Keys with LED	No
• System keys	No
• Numeric/alphabetical input	
— hexadecimal keyboard	Yes
— Multi-key operation	No
Touch operation	
• Design as touch screen	Yes

Input current

Rated current	0.24 A
Inrush current A ² s	0.5 A ² s

Power

Power	6 W
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Memory

Usable memory for user data	512 kbyte
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Type of output

Info LED	No
Power LED	No
Error LED	No

Time of day

Clock

• Hardware clock (real-time clock)	No
• Software clock	Yes
• Battery-backed	No
• Synchronizable	No

Interfaces

Number of RS 485 interfaces	1
• Transmission rate, max.	1.5 Mbit/s

Standards, approvals, certificates

cULus	Yes
EAC (formerly Gost-R)	No
Suitable for safety functions	No

Marine approval

• Germanischer Lloyd (GL)	Yes
• American Bureau of Shipping (ABS)	Yes
• Bureau Veritas (BV)	Yes
• Det Norske Veritas (DNV)	Yes
• Lloyds Register of Shipping (LRS)	Yes
• Nippon Kaiji Kyokai (Class NK)	Yes
• Polski Rejestr Statkow (PRS)	No

Use in hazardous areas

• EX zone 2	Yes
• EX zone 22	Yes
• FM Class I Division 2	Yes

Ambient conditions

Relative humidity	
• Operation, max.	90 %

Configuration

Message indicator	Yes
With alarm logging system (incl. buffer and acknowledgment)	Yes

Configuration software

• STEP 7 Basic (TIA Portal)	No
• STEP 7 Professional (TIA Portal)	No
• WinCC flexible Compact	Yes
• WinCC flexible Standard	Yes
• WinCC flexible Advanced	Yes
• WinCC Basic (TIA Portal)	No
• WinCC Comfort (TIA Portal)	Yes
• WinCC Advanced (TIA Portal)	Yes
• WinCC Professional (TIA Portal)	Yes

Languages

Online languages	
• Number of online/runtime languages	5

Languages	
• Languages per project	32

Functionality under WinCC (TIA Portal)

Libraries	Yes
Number of Visual Basic Scripts	
• Debugging in the simulator	No
Task planner	Yes
Help system	
• Number of characters per info text	70
• Number of tooltips	0

Message system

• Number of alarm classes	32
• Number of messages	1 000
• Bit messages	Yes
• Analog messages	Yes
• Number of bit messages	1 000

• Number of analog messages	20
• Telegram message procedure Alarm S	No
• System messages HMI	Yes
• System messages PLC	Yes
• System messages, other (SIMATIC S7, Sinumerik, Simotion, etc.)	No
• Lines	1
• Number of process values per message	8
• Message indicator	Yes
• Acoustic feedback	No
• First/last value	Yes
Recipe administration	
• Number of recipes	5
• Data records per recipe	20
• Entries per data record	20
Variables	
• Number of variables per device	500
• Number of variables per screen	30
• Limit values	Yes
• Multiplexing	Yes
• Structs	No
Images	
• Number of configurable images	250
• Permanent window/default	Yes
• Start screen configurable	Yes
• Image selection by PLC	Yes
• Image number in the PLC	Yes
Image objects	
• Fields per image	30
• Index of screen context	No
• Return	No
• Graphics object	
— Icons	1
— Icon (full screen)	1
Complex image objects	
• Number of bars per chart	5
• Limit value lines	Yes
Attributes for dynamic objects	

• Color change	No
• X/Y movement	No
• Hide	Yes
• Angle of turn	No
Lists	
• Number of text lists per project	300
• Number of graphics lists per project	100
Security	
• Number of user groups	50
• Number of user rights	32
• Password export/import	Yes
Data carrier support	
• PC card	No
• CF card	No
Process coupling	
• S7-200	Yes
— PPI (point-to-point)	Yes
— PPI network	Yes
— MPI	Yes
— PROFIBUS DP	Yes
— Ethernet	No
• S7-300/400	Yes
— MPI	Yes
— PROFIBUS DP	Yes
— PROFINET	No
• S5	No
— serial	No
— PROFIBUS DP	No
• TI 505	No
• Allen Bradley (DF1)	No
• Allen Bradley (DF485)	No
• Mitsubishi (FX)	No
• Mitsubishi (MP4)	No
• Telemecanique (ADJUST)	No
• Telemecanique (Uni-Telway)	No
• OMRON (LINK/Multilink)	No
• Modicon (Modbus)	No

• GE-Fanuc (SNP)	No
Functions	
• Key repeat	No
• TAB sequence	Yes
• Calculating functions	Yes
• Animate	No
• Menu tree editor	No
• Unit switchover	No
Service tools/configuration aids	
• Clean screen	Yes
• Touch calibration	Yes
• Backup/restore	Yes
• Simulation	Yes
• Device switchover	Yes
• Delta transfer	No
• Monitoring function for battery and memory	No
• Trace (operation archive)	No
Expandability/openness	
• Open Platform Program	No
I/O / Options	
I/O devices	
• MultiMediaCard	No
Dimensions	
Width of the housing front	212 mm
Height of housing front	156 mm
Weights	
Weight (without packaging)	0.75 kg
other	
free hotline	Yes
Warranty period	1 y
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