

Spare part Operator panel OP7/DP12 LC display, LED backlit 4-tier, 20 characters/line, SIMATIC S5, 505, S7, M7, native drivers, PROFIBUS DP 12 Mbaud with UL/CSA approval

General information

Customer-specific configuration No

Display

Design of display LC display, black/white

Line display

- Number of lines 4
- Number of characters per line 20

Backlighting

- MTBF backlighting (at 25 °C) 100 000 h

Control elements

Control elements Keys

Keyboard fonts

- Membrane keyboard Yes
 - user-definable label membrane keys Yes
- Function keys
 - Number of function keys 8
 - Number of function keys with LEDs 4
- System keys
 - Number of system keys 22
- Numeric keyboard Yes
- alphanumeric keyboard Yes
- hexadecimal keyboard Yes
- Multi-key operation No

Touch operation

- Design as touch screen No

Installation type/mounting

Mounting position vertical

maximum permissible angle of inclination without external ventilation 90°

Supply voltage

Type of supply voltage 24 V DC

UPS connectable (serial) No

Input current

Current consumption (rated value)	0.19 A
Processor	
Processor type	X86
Drives	
Diskette drive	Yes
CD-ROM	No
Hard disk	No
Memory	
Type of memory	Flash / RAM
Memory available for user data	128 kbyte
Type of output	
Info LED	Yes
Power LED	No
Error LED	No
Time of day	
Clock	
<ul style="list-style-type: none"> • Type • retentive • synchronizable 	<p>Software clock, synchronizable, no battery backup</p> <p>No</p> <p>Yes</p>
Interfaces	
Interfaces/bus type	1x TTY, 1x RS 232, 1x RS 422, 1x RS 485 (max. 12 Mbit/s)
Number of RS 485 interfaces	1
USB port	No
PC card slot	No
CF card slot	No
Special interfaces	No
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP20
Standards, approvals, certificates	
Certifications	CE, GL, BV, DNV, LRS, PRS, FM Class I Div. 2, UL, CSA, cULus, EX zone 2/22
Ambient conditions	
Ambient temperature during storage/transportation	
<ul style="list-style-type: none"> • min. • max. 	<p>-25 °C</p> <p>70 °C</p>
Relative humidity	
<ul style="list-style-type: none"> • Operation, max. 	95 %
Operating systems	

pre-installed operating system	Rmos
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Configuration

Message indicator	Yes
Alarm system (incl. buffer and acknowledgment)	No
Process value display (output)	No
Process value default (input) possible	No
Recipe management	No

Configuration software

<ul style="list-style-type: none"> • Configuration tool 	ProTool / Lite Version 2.51 or higher (to be ordered separately)
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Peripherals/Options

Additional software components loadable	No
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Dimensions

Width of the housing front	144 mm
Height of housing front	180 mm
Overall depth	38.5 mm

Weights

Weight (without packaging)	0.43 kg
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Other

free hotline	Yes
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last modified: 05/04/2019