

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
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Display

Design of display	LC display, black/white
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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
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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 |
|--------------------------|----|

Connection type

- | | |
|--|-----------|
| • Type of connection for mouse/keyboard/barcode reader | - / - / - |
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Installation type/mounting

Mounting position	vertical
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maximum permissible angle of inclination without external ventilation	90°
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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	
• Type	Software clock, synchronizable, no battery backup
• retentive	No
• synchronizable	Yes
Interfaces	
Interfaces/bus type	1 x TTY, 1 x RS232, 1 x RS422, 1 x RS485 (max. 12 Mbit/s)
Number of RS 485 interfaces	1
• Transmission rate, max.	12 Mbit/s
USB port	No
PC card slot	No
CF card slot	No
Special interfaces	No
Industrial Ethernet	
• Industrial Ethernet interface	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	
• min.	-25 °C
• max.	70 °C
Relative humidity	
• Operation, max.	95 %
Operating systems	
pre-installed operating system	Rmos
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	
• Configuration tool	ProTool / Lite Version 2.51 or higher (to be ordered separately)
Peripherals/Options	
Additional software components loadable	No
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
Other	
free hotline	Yes
Warranty period	1 y
last modified:	04/05/2018