

*** SPARE PART*** OPERATOR PANEL OP7/DP12 LC DISPLAY, BACKLIT LED 4 LINES, 20 CHARACTERS/LINE, SIMATIC S5, 505, S7, M7, NATIVE DRIVERS, PROFIBUS-DP 12 MBAUD, UL/CSA-LISTED

General information

Customer-specific configuration No

Display

Design of display LC display

Color type 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
- Numeric/alphabetical input Yes / Yes
 - hexadecimal keyboard Yes
- Multi-key operation No

Touch operation

- Design as touch screen No

Connection type

- Connection for mouse/keyboard/barcode reader - / - / -

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 	Software clock, synchronizable, no battery backup No 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
<ul style="list-style-type: none"> • Transmission rate, max. 	12 Mbit/s
USB port	No
PC card slot	No
CF card slot	No
Special interfaces	No
Industrial Ethernet	
<ul style="list-style-type: none"> • 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	
<ul style="list-style-type: none"> • 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
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