

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	
Display type	Black/white
Type	Lines
Line display	LC display
Number of lines, max.	4
Characters per line (max.)	20
Color type	Black/white
Backlighting	
MTBF backlighting (at 25 °C)	about 100,000 hours
Control elements	
Operating options	Keys
Function keys, programmable	8 function keys, 4 with LEDs
Membrane keyboard	Yes
Connection for mouse/keyboard/barcode reader	- / - / -
Keyboard fonts	
user-definable label membrane keys	Yes
Numeric/alphabetical input	Yes / Yes
hexadecimal keyboard	Yes
Multi-key operation	No
Touch operation	
Touch screen	No
Supply voltage	
Type of supply voltage	24 V DC
UPS connectable (serial)	No
Input current	
Rated current	0.19 A
Processor	
Processor	X86

Drives	
Diskette drive	Yes
CD-ROM	No
Hard disk	No
Memory	
Type	Flash / RAM
usable memory for user data	128 KB usable memory for user data
Type of output	
Info LED	Yes
Power LED	No
Error LED	No
Time of day	
Clock	
Type	Software clock, synchronizable, no battery backup
Hardware clock (real-time clock)	No
Software clock	Yes
battery-backed	No
synchronizable	Yes
Interfaces	
Interfaces	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	
Front	IP65
IP (at the front)	IP65
Rear	IP20
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
cULus	Yes
RCM (former C-TICK)	No
Ambient conditions	

Mounting position	vertical
maximum permissible angle of inclination without external ventilation	+/- 90 °
Storage/transport temperature	
Ambient temperature during storage, minimum	-25 °C
Ambient temperature during storage, maximal	70 °C
Transport, storage	-25 °C to +70 °C
Relative humidity	
Operation, max.	95 %
Operating systems	
Operating system	Rmos
Configuration	
Message indicator	Yes
With alarm logging system (incl. buffer and acknowledgment)	No
Process value display (output)	No
Process value default (input) possible	No
Recipe administration	No
Configuration software	
Configuration tool	ProTool / Lite Version 2.51 or higher (to be ordered separately)
1. Configuration kit	ProTool / Lite
Version	Version 2.51
Configuration tool	ProTool
Type	Lite
Peripherals/Options	
Additional software components loadable	No
Dimensions	
Front of enclosure (W x H)	144 mm x 180 mm
Weights	
Weight (without packaging)	0.43 kg
Other	
free hotline	Yes
Warranty period	1 a
Status	Jul 21, 2014