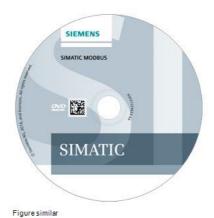
SIEMENS

Data sheet

6ES7870-1AB01-0YA0



SIMATIC S7, MODBUS Slave V3.1 single license for 1 installation R-SW, SW and DOCU on CD, HW dongle, Class A, 3 languages (de, de, fr, en fr), executable in STEP 7 V4.02 or higher, reference hardware: CP 341 and CP 441-2

Operating systems	
Runs under operating system	
Windows 9x	No
 Windows ME 	No
 Windows NT 4.0 	No
Windows 2000	No
 Windows XP 	Yes
Software	
Software class	A
Target system	CP 341 AND CP 441-2
Block	
Communications FB instance DB	FB 180, DB 180 (use of a multi-instance)
Adjustable parameters	
 Enable of the memory areas writeable by the master possible 	Yes
 Number of work DB (for FB editing) possible 	Yes
 Factor for the character delay time 	1 to 10
 Modem operation (ignore filler characters) 	with/without
 RS 485 operation for 2-wire connection 	with/without
 Slave address of the CP 	<u>1 to 255</u>
Transmission rate	300 bit/s to 76 800 bit/s; (TTY to 19 200 bit/s)
 Conversion of Modbus addresses to S7 data areas 	Yes
 Preassignment of receive circuit on application of the X.27 interface module 	Yes
Character frame	Yes
Communication data	
 CRC polynomial 	X16 + x15 + x2 + 1
 Modbus protocol 	with RTU format
 implemented function codes 	01, 02, 03, 04, 05, 06, 08, 15, 16
 Conversion of Modbus addresses to S7 data areas 	DB, memory bits, outputs, inputs, times, counters
 V.24 control and signal cables 	none
Character delay time	3.5 characters or multiples
Authorization/licenses	
 Single license (EL) 	Yes
configuration / header	
configuration / programming / header	
Programming language	
— LAD	Yes
— FBD	Yes

— STL

Yes

Documentation	
Languages	
German	Yes
• English	Yes
French	Yes

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