## **SIEMENS**

## Data sheet

## 6ES7870-1AA01-0YA0



SIMATIC S7, MODBUS Master 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

Figure similar	
Standards, approvals, certificates	
developed in accordance with IEC 61131	Yes
Operating systems	
Runs under operating system	
• Windows 9x	No
Windows ME	No
Windows NT 4.0	No
Windows 2000	No
Windows XP	Yes
Windows 7	Yes
Software	
Software class	A
Target system	SIMATIC CP 341/CP 441-2
Adjustable parameters	
<ul> <li>Response monitoring time</li> </ul>	100 ms to 25.5 s in 100-ms grid
<ul> <li>Factor for the character delay time</li> </ul>	1 or 10
<ul> <li>Modem operation (ignore filler characters)</li> </ul>	with/without
<ul> <li>RS 485 operation for 2-wire connection</li> </ul>	with/without
<ul> <li>Preassignment of receive circuit on application of the X.27 interface module</li> </ul>	Yes
Communication data	
<ul> <li>CRC polynomial</li> </ul>	X16 + x15 + x2 + 1
Receive mailbox	Specified on BRCV
<ul> <li>Modbus protocol</li> </ul>	with RTU format
<ul> <li>implemented function codes</li> </ul>	01, 02, 03, 04, 05, 06, 07, 08, 11, 12, 15, 16
<ul> <li>Broadcast Message</li> </ul>	possible
<ul> <li>Transmission rate</li> </ul>	300 bit/s to 76 800 bit/s; (TTY to 19 200 bit/s)
<ul> <li>V.24 control and signal cables</li> </ul>	none
Character delay time	3.5 characters or multiples
Authorization/licenses	
Single license (EL)	Yes
Documentation	
Languages	
• German	Yes
• English	Yes
• French	Yes
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