

## Data sheet

6ES7870-1AB01-0YA0

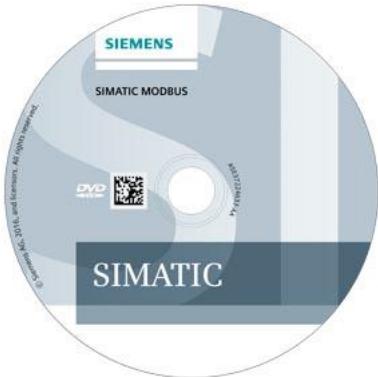


Figure similar

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  | <a href="#">1 to 255</a>                         |
| • 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 |

last modified:

3/4/2021 