




SIMATIC S7-1500, CM PTP RS422/485 BA Communication module for Serial connection RS422,RS485 Freeport, 3964 (R), USS, 19200 Kbit/s, 15-Pin D-sub socket

Figure similar

| General information | |
|---|--|
| Product type designation | CM PtP RS 422 / 485 BA |
| Product function | |
| <ul style="list-style-type: none"> I&M data Fast startup | Yes; I&M 0 Yes |
| Engineering with | |
| <ul style="list-style-type: none"> STEP 7 TIA Portal configurable/integrated from version STEP 7 configurable/integrated from version PROFIBUS from GSD version/GSD revision PROFINET from GSD version/GSD revision | V12 / V12 V5.5 SP2 with GSD file - / - V2.3 |
| Installation type/mounting | |
| Rail mounting | Yes; S7-1500 mounting rail |
| Supply voltage | |
| Design of the power supply | system power supply |
| Type of supply voltage | DC |
| Input current | |
| Current consumption (rated value) | 43 mA; From the backplane bus |
| Power | |
| Power available from the backplane bus | 0.65 W |
| Power loss | |
| Power loss, typ. | 0.6 W |
| Address area | |
| Address space per module | |
| <ul style="list-style-type: none"> Inputs | 8 byte |
| Interface types | |
| RS 485 | |
| <ul style="list-style-type: none"> Transmission rate, max. Cable length, max. | 19.2 kbit/s 1 200 m |
| RS 422 | |
| <ul style="list-style-type: none"> Transmission rate, max. Cable length, max. 4-wire full duplex connection 4-wire multipoint connection | 19.2 kbit/s 1 200 m Yes No |
| Protocols | |
| Integrated protocols | |
| Freeport | |
| — Telegram length, max. | 1 kbyte |

| | |
|--|---|
| — Bits per character | 7 or 8 |
| — Number of stop bits | 1 or 2 bit |
| — Parity | None, even, odd, always 1, always 0, any |
| 3964 (R) | |
| — Telegram length, max. | 1 kbyte |
| — Bits per character | 7 or 8 |
| — Number of stop bits | 1 or 2 bit |
| — Parity | None, even, odd, always 1, always 0, any |
| Telegram buffer | |
| • Buffer memory for telegrams | 2 kbyte |
| • Number of telegrams which can be buffered | 255 |
| Interrupts/diagnostics/status information | |
| Diagnostics function | Yes |
| Alarms | |
| • Diagnostic alarm | Yes |
| • Hardware interrupt | No |
| Diagnoses | |
| • Wire-break | Yes |
| Diagnostics indication LED | |
| • RUN LED | Yes; green LED |
| • ERROR LED | Yes; red LED |
| • Receive RxD | Yes; Yellow LED |
| • Transmit TxD | Yes; Yellow LED |
| Potential separation | |
| between backplane bus and interface | Yes |
| Isolation | |
| Isolation tested with | 707 V DC (type test) |
| Ambient conditions | |
| Ambient temperature during operation | |
| • horizontal installation, min. | 0 °C |
| • horizontal installation, max. | 60 °C |
| • vertical installation, min. | 0 °C |
| • vertical installation, max. | 40 °C |
| Altitude during operation relating to sea level | |
| • Installation altitude above sea level, max. | 5 000 m; restrictions for installation altitudes > 2 000 m, see ET 200MP system manual |
| Decentralized operation | |
| to SIMATIC S7-300 | Yes |
| to SIMATIC S7-400 | Yes |
| to SIMATIC S7-1500 | Yes |
| to standard PROFINET controller | Yes |
| Dimensions | |
| Width | 35 mm |
| Height | 147 mm |
| Depth | 127 mm |
| Weights | |
| Weight, approx. | 0.22 kg |
| last modified: | 11/3/2021  |