



SIMATIC DP, Electronics module for ET 200S, 1 SI serial interface 1-channel, 15 mm width, RS232/422, 485 MODBUS/USS

Figure similar

| Supply voltage | |
|---|--|
| Rated value (DC) | 24 V |
| Reverse polarity protection | Yes |
| Input current | |
| from supply voltage L+, max. | 80 mA; Typ. 20 mA |
| from backplane bus 3.3 V DC, max. | 10 mA |
| Power loss | |
| Power loss, typ. | 1.2 W |
| Memory | |
| Standard blocks | 11 100 byte; Modbus: S_SEND 2700, S_RCV 2400, S_MODB 6000; USI: S_SEND 2700, S_RCV 2400, S_USST 1900, S_USSR 2600, S_USSI 1500 |
| Interfaces | |
| Number of interfaces | 1 |
| Point-to-point connection | |
| <ul style="list-style-type: none"> Transmission rate, max. | 115.2 kbit/s; half duplex: 110, 300, 600, 1 200, 2 400, 4 800, 9 600, 19 200, 38 400, 57 600, 76 800, 115 200 bps |
| Integrated protocol driver | |
| — Modbus | Yes |
| — USS | Yes |
| Signals | |
| — RS 232C | RS 232C signals: 8 (TxD, RxD, RTS, CTS, DTR, DSR, DCD, PE) |
| — RS 422 | TxD(A), RxD(A), TxD(B), RxD(B), GND |
| — RS 485 | R/T(A), R/T(B), GND |
| Character frame (adjustable) | |
| — Bits per character | 8 |
| — Number of start/stop bits | 1 or 2 (USS only 1) |
| — Bits per character frame | 10 or 11 (USS only 11 bit) |
| — Parity | none, odd, even (USI even only) |
| Data quantity per PLC sampling cycle | |
| — Send | 32 byte; With IM151-1 Standard as of 6ES7151-1AA04-0AB0; with IM151-1 High Feature as of 6ES7151-1BA01-0AB0; otherwise 8 bytes |
| — Receive | 32 byte; With IM151-1 Standard as of 6ES7151-1AA04-0AB0; with IM151-1 High Feature as of 6ES7151-1BA01-0AB0; otherwise 8 bytes |
| Interface types | |
| RS 232 | |
| <ul style="list-style-type: none"> Cable length, max. | 15 m |
| RS 485 | |
| <ul style="list-style-type: none"> Cable length, max. | 1 200 m |

Interrupts/diagnostics/status information

Diagnostics indication LED

- | | |
|------------------------|-----|
| • Receive RxD | Yes |
| • Transmit TxD | Yes |
| • Group error SF (red) | Yes |

Potential separation

Potential separation interface

- | | |
|--|-----|
| • Between RS 422/485 and internal power supply | Yes |
| • between RS 232 and internal power supply | Yes |

Ambient conditions

Ambient temperature during operation

- | | |
|--------|-------|
| • min. | 0 °C |
| • max. | 60 °C |

Dimensions

| | |
|--------|-------|
| Width | 15 mm |
| Height | 81 mm |
| Depth | 52 mm |

Weights

| | |
|-----------------|------|
| Weight, approx. | 50 g |
|-----------------|------|

last modified: 7/28/2021 