



SIMATIC DP,
ELECTRONIC MODULE FOR ET 200S,
1 SI SERIAL INTERFACE ONE CHANNEL,
15MM WIDE RS232/422, 485 ASCII, 3964R

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|--|--|
| Supply voltage | |
| Load voltage L+ | |
| Rated value (DC) | 24 V |
| Input current | |
| from backplane bus 3.3 V DC, max. | 10 mA |
| from backplane bus 24 V DC, max. | 80 mA ; Typ. 20 mA |
| Power losses | |
| Power loss, typ. | 1.2 W |
| Memory | |
| Standard blocks | 5100 byte ; S_SEND 2700, S_RCV 2400, S_XON 2600, S_RTS 2600, S_V24 2700, S_VSTAT 1800, S_VSET 1800 |
| Interfaces | |
| Number of interfaces | 1 |
| RS 422/RS485 | Yes ; RS-422 signals: 5 (TxD(A), RxD(A), TxD(B), RxD(B), PE); RS-485 signals: 3 (R/T(A), R/T(B), PE) |
| RS 232, cable length, shielded, max. | 15 m |
| RS 422/485, cable length, shielded, max. | 1200 m |
| Point-to-point | |
| RS 232C | Yes ; RS 232C signals: 8 (TxD, RxD, RTS, CTS, DTR, DSR, DCD, PE) |

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|---|---|
| Integrated protocol driver | |
| 3964 (R) | Yes |
| ASCII | Yes |
| Telegram length, max. | |
| 3964 (R) | 224 byte |
| ASCII | 224 byte |
| Transmission speed, RS 422/485 | |
| with 3964 (R) protocol, max. | 115.2 kbit/s ; half duplex: 110, 300, 600, 1200, 2400, 4800, 9600, 19,200, 38,400, 57,600, 76,800, 115,200 bit/s |
| with ASCII protocol, max. | 115.2 kbit/s ; Full duplex: 110, 300, 600, 1200, 2400, 4800, 9600, 19,200, 38,400, 57,600, 76,800, 115,200 bit/s |
| Transmission speed, RS232 | |
| with 3964 (R) protocol, max. | 115.2 kbit/s ; half duplex: 110, 300, 600, 1200, 2400, 4800, 9600, 19,200, 38,400, 57,600, 76,800, 115,200 bit/s |
| with ASCII protocol, max. | 115.2 kbit/s ; Full duplex: 110, 300, 600, 1200, 2400, 4800, 9600, 19,200, 38,400, 57,600, 76,800, 115,200 bit/s |
| Character frame (adjustable) | |
| Bits per character | 7 or 8 |
| Number of start/stop bits | 1 or 2 |
| Bits per character frame | 10 |
| Parity | none, odd, even, any |
| Number of bytes per PLC sampling cycle | |
| Data quantity per PLC sampling cycle, receiving | 32 byte ; with IM151-1 Standard as of 6ES7 151-1AA04-0AB0; with IM151-1 High Feature as of 6ES7 151-1BA01-0AB0; otherwise 8 bytes |
| Data quantity per PLC sampling cycle, transmitting | 32 byte ; with IM151-1 Standard as of 6ES7 151-1AA04-0AB0; with IM151-1 High Feature as of 6ES7 151-1BA01-0AB0; otherwise 8 bytes |
| Interrupts/diagnostics/status information | |
| Diagnostics indication LED | |
| Receive RxD (green) | Yes |
| Transmit TxD (green) | Yes |
| Group error SF (red) | Yes |
| Galvanic isolation | |
| Electrical isolation interface | |
| between 422/485 and internal power supply | Yes |
| between RS 232 and internal power supply | Yes |
| Ambient conditions | |
| Operating temperature | |
| Min. | 0 °C |
| max. | 60 °C |

| Storage/transport temperature | |
|-------------------------------|-------------|
| Min. | -40 °C |
| max. | 70 °C |
| Dimensions | |
| Width | 15 mm |
| Height | 81 mm |
| Depth | 52 mm |
| Weight | |
| Weight, approx. | 50 g |
| Status | Nov 2, 2012 |