

SIMATIC DP, Electronics module for ET 200S, 1 SI serial interface 1-channel, 15 mm width, RS232/422, 485 ASCII, 3964R



Figure similar

Supply voltage	
Rated value (DC)	24 V
Reverse polarity protection	Yes
Input current	
from supply voltage L+, max.	120 mA
from backplane bus 3.3 V DC, max.	10 mA
Power loss	
Power loss, typ.	1.2 W
Memory	
Standard blocks	5 100 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
Interface physics, RS 232C (V.24)	Yes; RS 232C signals: 8 (TxD, RxD, RTS, CTS, DTR, DSR, DCD, PE)

Interface (physical) RS 422/485 (X.27)	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/RS 485, cable length shielded, max.	1 200 m
<b>Point-to-point connection</b>	
<b>Integrated protocol driver</b>	
— 3964 (R)	Yes
— ASCII	Yes
<b>Telegram length, max.</b>	
— 3964 (R)	224 byte
— ASCII	224 byte
<b>Transmission rate, RS 422/485</b>	
— with 3964 (R) protocol, 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
— with ASCII protocol, max.	115.2 kbit/s; Full duplex: 110, 300, 600, 1 200, 2 400, 4 800, 9 600, 19 200, 38 400, 57 600, 76 800, 115 200 bps
<b>Transmission speed, RS 232</b>	
— with 3964 (R) protocol, 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
— with ASCII protocol, max.	115.2 kbit/s; Full duplex: 110, 300, 600, 1 200, 2 400, 4 800, 9 600, 19 200, 38 400, 57 600, 76 800, 115 200 bps
<b>Character frame (adjustable)</b>	
— Bits per character	7 or 8
— Number of start/stop bits	1 or 2
— Bits per character frame	10
— Parity	none, odd, even, any
<b>Data quantity per PLC sampling cycle</b>	
— 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
<b>Interrupts/diagnostics/status information</b>	
<b>Diagnostics indication LED</b>	
• Receive RxD	Yes
• Transmit TxD	Yes
• Group error SF (red)	Yes
<b>Potential separation</b>	
<b>Potential separation interface</b>	
• 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:** 06/12/2020