SIEMENS

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

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
RS 422/485	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
Point-to-point	
• RS 232C	Yes; RS 232C signals: 8 (TxD, RxD, RTS, CTS, DTR, DSR, DCD, PE)
Integrated protocol driver	
— 3964 (R)	Yes
— ASCII	Yes
Telegram length, max.	
— 3964 (R)	224 byte
— ASCII	224 byte
Transmission rate, RS 422/485	
— 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 bit/s
— 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 bit/s
Transmission speed, RS 232	
— 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 bit/s

— 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 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
Data quantity per PLC sampling cycle	
— Send	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
— Receive	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

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

Ambient temperature during storage/transportation

• min.	-40 °C
• max.	70 °C

Dimensions

Width	15 mm
Height	81 mm
Depth	52 mm

Weights

Weight, approx.	50 g
last modified:	14.05.2016