

SIMATIC DP, ELECTRONIC MODULE FOR ET 200S, 1 SI SERIAL
INTERFACE ONE CHANNEL, 15MM WIDE 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
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
Point-to-point	
Integrated protocol driver	
— Modbus	Yes
— Transmission rate, Modbus 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
— USS	Yes
— Transmission rate, USS 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
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 bits)
— Parity	none, odd, even (USI even only)
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
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