SIEMENS

Figure similar

SIMATIC S7-1500, CM PTP RS232 HF Communication module for Serial connection RS232, Freeport, 3964 (R), USS, MODBUS RTU Master, Slave, 115200 Kbit/s, 9-pin D-sub connector

General information	
Product type designation	CM PtP RS 232 HF
Product function	
● I&M data	Yes; I&M 0
● Fast startup	Yes
Engineering with	
● STEP 7 TIA Portal configurable/integrated from version	V12 / V12
● STEP 7 configurable/integrated from version	V5.5 SP2 with GSD file
● PROFIBUS from GSD version/GSD revision	- / -
● PROFINET from GSD version/GSD revision	V2.3 / -
Installation type/mounting	
Rail mounting	Yes; S7-1500 mounting rail
Supply voltage	
Type of supply voltage	system power supply
Input current	
Current consumption (rated value)	50 mA; From the backplane bus
Power	
Power available from the backplane bus	0.75 W
Power loss	
Power loss, typ.	0.6 W
Address area	
Address space per module	
● Inputs	8 byte
Interface types	
RS 232	
● Transmission rate, max.	115.2 kbit/s
● Cable length, max.	15 m
● RS 232 auxiliary signals	RTS, CTS, DTR, DSR, RI, DCD
Protocols	
Integrated protocols	
Freeport	
— Telegram length, max.	4 kbyte
— Bits per character	7 or 8
— Number of stop bits	1 or 2 bit
— Parity	None, even, odd, always 1, always 0, any

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3964 (R)		
— Telegram length, max.	4 kbyte	
— Bits per character	7 or 8	
— Number of stop bits	1 or 2 bit	
— Parity	None, even, odd, always 1, always 0, any	
Modbus RTU master		
— Address area	1 to 247, extended 1 to 65535	
— Number of slaves, max.	1	
MODBUS RTU slave		
— Address area	1 to 247, extended 1 to 65535	
Telegram buffer		
● Buffer memory for telegrams	8 kbyte	
● Number of telegrams which can be buffered	255	

Interrupts/diagnostics/status information

Diagnostics function	Yes

Alarms

● Diagnostic alarm	Yes
● Hardware interrupt	No

Diagnoses

● Wire-break	Yes

Diagnostics indication LED

● RUN LED	Yes; green LED
● ERROR LED	Yes; red LED
● Receive RxD	Yes; Yellow LED
● Transmit TxD	Yes; Yellow LED

Potential separation

between backplane bus and interface	Yes

Isolation

Isolation tested with	707 V DC (type test)

Ambient conditions

Ambient temperature during operation

● horizontal installation, min.	0 °C
● horizontal installation, max.	60 °C
● vertical installation, min.	0 °C
● vertical installation, max.	40 °C

Altitude during operation relating to sea level

● Installation altitude above sea level, max.	5 000 m; restrictions for installation altitudes > 2 000 m, see ET 200MP system manual

Decentralized operation

to SIMATIC S7-300	Yes
to SIMATIC S7-400	Yes
to SIMATIC S7-1500	Yes
to standard PROFINET controller	Yes

Dimensions

Width	35 mm
Height	147 mm
Depth	127 mm

Weights

Weight, approx.	0.22 kg

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