

SIMATIC S7-1500, CM PTP RS232 BA COMMUNICATION MODUL FOR SERIAL CONNECTION RS232, FREEPORT, 3964(R), USS, 19200 KBIT/S, 9-PIN SUB-D CONNECTOR



General information	
Product type designation	CM PtP RS232 BA
Product function	
<ul style="list-style-type: none"> I&M data 	Yes; I&M 0
Engineering with	
<ul style="list-style-type: none"> STEP 7 TIA Portal configurable/integrated as of version 	V12 / V12
<ul style="list-style-type: none"> STEP 7 configurable/integrated as of version 	V5.5 SP2 with GSD file
<ul style="list-style-type: none"> PROFIBUS as of GSD version/GSD revision 	- / -
<ul style="list-style-type: none"> PROFINET as of GSD version/GSD revision 	V2.3
Installation type/mounting	
Rail mounting possible	Yes; S7-1500 mounting rail
Input current	
Current consumption (rated value)	35 mA; From the backplane bus
Power	
Power available from the backplane bus	0.65 W
Power loss	

Power loss, typ.	0.6 W
Address area	
Occupied address area	
• Inputs	8 byte
1. Interface	
Interface types	
• RS 232	Yes
Interface types	
RS 232	
• Transmission rate, max.	19.2 kbit/s
• Cable length, max.	15 m
• RS 232 auxiliary signals	RTS, CTS, DTR, DSR, RI, DCD
Protocols	
Integrated protocols	
Freeport	
— Telegram length, max.	1 kbyte
— Bits per character	7 or 8
— Number of stop bits	1 or 2 bit
— Parity	None, even, odd, always 1, always 0, any
3964 (R)	
— Telegram length, max.	1 kbyte
— Bits per character	7 or 8
— Number of stop bits	1 or 2 bit
— Parity	None, even, odd, always 1, always 0, any
Telegram buffer	
• Buffer memory for telegrams	2 kbyte
• Number of telegrams which can be buffered	255
Interrupts/diagnostics/status information	
Diagnostics function	Yes
Alarms	
• Diagnostic alarm	Yes
• Hardware interrupt	No
Diagnostic messages	
• 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
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Isolation

Isolation tested with	707 V DC (type test)
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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

Decentralized operation

to SIMATIC S7-300	Yes
to SIMATIC S7-400	Yes
to SIMATIC S7-1500	Yes
to standard PROFINET controller	Yes
Fast Startup supported	Yes

Dimensions

Width	35 mm
Height	147 mm
Depth	127 mm

Weights

Weight, approx.	0.22 kg
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last modified: 12/06/2016