SIEMENS

Product data sheet   **6AG1541-1AD00-7AB0**

SIPLUS S7-1500 CM PTP RS232 HF -40 ... +70 DEGREES C WITH CONFORMAL COATING BASED ON 6ES7541-1AD00-0AB0 . COMMUNICATION MODUL FOR SERIAL CONNECTION RS232,
FREEPORT, 3964(R), USS,
MODBUS RTU MASTER, SLAVE,
115200 KBIT/S, 9-PIN SUB-D CONNECTOR

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General information	
Product function	
I&M data	Yes ; I&M 0
Installation type/mounting	
Type of fitting, rail mounting	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 losses	
Power loss, typ.	0.6 W
Address area	
Occupied address area	
Inputs	8 byte
Interfaces	
1st interface	
Interface types	
RS 232	Yes

Interface types	
RS 232	
Transmission rate, max.	115.2 kbit/s
Cable length, max.	15 m
RS-232 accompanying 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
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
Frame buffer	
Buffer memory for message frames	8 kbyte
Number of message frames which can be buffered	255
Interrupts/diagnostics/status information	
Alarms	
Diagnostic alarm	Yes
Hardware interrupt	No
Diagnostic messages	
Diagnostics	Yes
Wire break	Yes
Diagnostics indication LED	
RUN LED	Yes
Receive RxD	Yes ; yellow LED
Send TxD	Yes ; yellow LED
Galvanic isolation	
between the backplane bus and interface	Yes

Ambient conditions	
Operating temperature	
horizontal installation, min.	-40 °C
horizontal installation, max.	70 °C
vertical installation, min.	-40 °C
vertical installation, max.	40 °C
Extended ambient conditions	
Relative to ambient temperature-atmospheric pressure-installation altitude	Tmin ... Tmax at 1080 hPa ... 795 hPa (-1000 m ... +2000 m) // Tmin ... (Tmax - 10K) at 795 hPa ... 658 hPa (+2000 m ... +3500 m) // Tmin ... (Tmax - 20K) at 658 hPa ... 540 hPa (+3500 m ... +5000 m)
Relative humidity	
With condensation, tested in accordance with IEC 60068-2-38, maximum	100 % ; RH incl. condensation/frost (no commissioning under condensation conditions)
Resistance	
to biologically active substances/conformity with EN 60721-3-3	Yes ; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna). The supplied connector covers must remain on the unused interfaces during operation!
to chemically active substances/conformity with EN 60721-3-3	Yes ; Class 3C4 (RH < 75%) incl. salt spray according to EN 60068-2-52 (degree of severity 3). The supplied connector covers must remain on the unused interfaces during operation!
to mechanically active substances/conformity with EN 60721-3-3	Yes ; Class 3S4 incl. sand, dust. The supplied connector covers must remain on the unused interfaces during operation!
Decentralized operation	
to SIMATIC S7-300	Yes
to SIMATIC S7-400	Yes
to SIMATIC S7-1500	Yes
To standard PROFINET controller	Yes
Supports fast startup	Yes
Dimensions	
Width	35 mm
Height	147 mm
Depth	127 mm
Weights	
Weight, approx.	0.22 kg
Status	May 9, 2014