

SIPLUS S7-1500cm PtP RS232 BA -40...+70 °C Start-up -25 °C with conformal coating based on 6ES7540-1AD00-0AA0 . Communication module for Serial connection RS232, Freeport, 3964 (R), USS, 19200 Kbit/s, 9-pin D-sub connector

### General information

Product type designation	CM PtP RS232 BA
Product function	
<ul style="list-style-type: none"> <li>I&amp;M data</li> </ul>	Yes; I&M 0

### Installation type/mounting

Rail mounting	Yes; S7-1500 mounting rail
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### Supply voltage

Type of supply voltage	system power supply
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### Input current

Current consumption (rated value)	35 mA; From the backplane bus
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### Power

Power available from the backplane bus	0.65 W
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### Power loss

Power loss, typ.	0.6 W
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### Address area

Occupied address area	
<ul style="list-style-type: none"> <li>Inputs</li> </ul>	8 byte

### Interface types

RS 232	
<ul style="list-style-type: none"> <li>Transmission rate, max.</li> <li>Cable length, max.</li> <li>RS 232 auxiliary signals</li> </ul>	19.2 kbit/s 15 m RTS, CTS, DTR, DSR, RI, DCD

### Protocols

Integrated protocols	
Freeport	
<ul style="list-style-type: none"> <li>Telegram length, max.</li> <li>Bits per character</li> <li>Number of stop bits</li> <li>Parity</li> </ul>	1 kbyte 7 or 8 1 or 2 bit None, even, odd, always 1, always 0, any
3964 (R)	
<ul style="list-style-type: none"> <li>Telegram length, max.</li> </ul>	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
<b>Telegram buffer</b>	
• Buffer memory for telegrams	2 kbyte
• Number of telegrams which can be buffered	255
<b>Interrupts/diagnostics/status information</b>	
Diagnostics function	Yes
<b>Alarms</b>	
• Diagnostic alarm	Yes
• Hardware interrupt	No
<b>Diagnostic messages</b>	
• Wire-break	Yes
<b>Diagnostics indication LED</b>	
• RUN LED	Yes; Green LED
• Receive RxD	Yes; yellow LED
• Transmit TxD	Yes; yellow LED
<b>Potential separation</b>	
between backplane bus and interface	Yes
<b>Isolation</b>	
Isolation tested with	500 V
<b>Ambient conditions</b>	
<b>Ambient temperature during operation</b>	
• horizontal installation, min.	-40 °C; = Tmin; Startup @ -25 °C
• horizontal installation, max.	70 °C
• vertical installation, min.	-40 °C; = Tmin; Startup @ -25 °C
• vertical installation, max.	40 °C
<b>Altitude during operation relating to sea level</b>	
• Installation altitude above sea level, max.	5 000 m
• Ambient air temperature-barometric pressure-altitude	Tmin ... Tmax at 1 140 hPa ... 795 hPa (-1 000 m ... +2 000 m) // Tmin ... (Tmax - 10 K) at 795 hPa ... 658 hPa (+2 000 m ... +3 500 m) // Tmin ... (Tmax -20 K) at 658 hPa ... 540 hPa (+3 500 m ... +5 000 m)
<b>Relative humidity</b>	
• With condensation, tested in accordance with IEC 60068-2-38, max.	100 %; RH incl. condensation/frost (no commissioning under condensation conditions)
<b>Resistance</b>	
<b>Coolants and lubricants</b>	
— Resistant to commercially available coolants and lubricants	Yes
<b>Use in stationary industrial systems</b>	

- to biologically active substances according to EN 60721-3-3
- to chemically active substances according to EN 60721-3-3
- to mechanically active substances according to EN 60721-3-3

Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request

Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); \*

Yes; Class 3S4 incl. sand, dust, \*

#### Use on ships/at sea

- to biologically active substances according to EN 60721-3-6
- to chemically active substances according to EN 60721-3-6
- to mechanically active substances according to EN 60721-3-6

Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request

Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); \*

Yes; Class 6S3 incl. sand, dust; \*

#### from supply voltage 1L+

- Note regarding classification of environmental conditions acc. to EN 60721

\* The supplied plug covers must remain in place over 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
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:** 05/16/2018