

*** SPARE PART*** SIMATIC S7, PC ADAPTER V5.1 FOR CONNECTION OF S7-300/400, C7, M7; FOR CONVERSION OF RS232 TO RS485; W/O RS232 CABLE

Supply voltage

Rated value (DC)

- 5 V DC
- 24 V DC

Yes; UN2

Yes; UN1

Input current

Current consumption, typ.

90 mA; I1: 50 mA, I2: 40 mA

Inrush current, max.

0.5 A; I1: 0.5 A, 14 ms; I2: 0.2 A, 1.5 ms

1. Interface

Interface type

RS 485 (up to max. 1.5 Mbit/s)

2. Interface

Interface type

RS 232 (19.2 kbit/s or 38.4 kbit/s, adjustable by switch)

EMC

Interference immunity against discharge of static electricity

- Interference immunity against discharge of static electricity acc. to IEC 61000-4-2

Yes; ± 4 kV contact discharge (to IEC 801-2/IEC 1000-4-2; ESD), ± 8 kV air discharge (to IEC 801-2/IEC 1000-4-2; ESD)

Interference immunity against high-frequency electromagnetic fields

- Interference immunity against high frequency radiation

10 V/m with 80% amplitude modulation at 1 kHz, 10 kHz to 80 MHz (to ENV 50141); 10 V/m with 80% amplitude modulation at 1 kHz, 80 MHz to 1 GHz (to ENV 50140); 10 V/m pulse modulated 50% ED at 900 MHz (to ENV 50204)

Interference immunity to cable-borne interference

- Interference immunity on signal cables acc. to IEC 61000-4-4

Yes; +/- 2 kV (to IEC 801-4/IEC 1000-4-4; Burst)

Emission of radio interference acc. to EN 55 022

- Interference emission acc. to EN 55022, class B

Yes; corresponds to CISPR 22

Degree and class of protection

Degree of protection acc. to EN 60529

IP20

Ambient conditions

Ambient temperature during operation

- min.
- max.
- permissible temperature change

0 °C

60 °C

10 °C/h; Operation: max. 10°C/h; storage/transport: max. 20°C/h

Ambient temperature during storage/transportation	
• min.	-40 °C
• max.	70 °C
Relative humidity	
• Operation, min.	5 %
• Operation, max.	85 %; no condensation
• Storage/transport, min.	5 %
• Storage/transport, max.	93 %; no condensation
Vibrations	
• Operation, tested according to IEC 60068-2-6	Yes; 10 Hz to 58 Hz: Amplitude 0.075 mm; 58 Hz to 150 Hz: Acceleration 9.8 m/s ²
• Transport, tested acc. to IEC 60068-2-6	Yes; (packed) 5 to 9 Hz, amplitude 3.5 mm; 9 to 500 Hz, acceleration 9.8 m/s ²
Shock test	
• tested according to IEC 60068-2-27	Yes; Operation: Half-sine: 100 m/s ² (10 g), 16 ms, transport (packed): Half-sine: 250 m/s ² (25 g), 6 ms
• tested according to IEC 60068-2-29	Yes
Dimensions	
Width	50 mm
Height	24 mm
Depth	108 mm
Weights	
Weight, approx.	150 g
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