SIEMENS

Product data sheet 6ES7972-0CB20-0XA0

SIMATIC S7, PC ADAPTER USB F. CONNECTION OF S7-200/300/400 C7; WITH USB-CABLE (5M) CAN BE USED UNDER WIN 2000/XP

Supply voltages	
Rated value	
24 V DC	Yes
Current consumption	
Current consumption, typ.	100 mA
Power consumption	
Power consumption, typ.	max. 2.5 W
EMC	
Interference immunity against discharge of static electricity	
Interference immunity against discharge of static electricity acc. to IEC 61000-4-2	Yes ; 6 kV, contact discharge (to IEC 61000-4-2); 8 kV, air discharge (to IEC 61000-4-2)
Interference immunity to cable-borne interference	
on the supply lines acc. to IEC 61000-4-4	Yes ; 2 kV (to IEC 61000-4-4, Burst)
Interference immunity on signal lines acc. to IEC 61000-4-4	Yes ; 1 kV (to IEC 61000-4-4; burst; length < 3 m); 2 kV (to IEC 61000-4-4; burst; length > 3 m)
[nicht versorgt: TAK_ABT395_001_000]	
on the supply lines acc. to IEC 61000-4-5	Yes ; 1 kV (to IEC 61000-4-5; surge symm.); 2 kV (to IEC 61000-4-5; surge asymm.)
[nicht versorgt: TAK_ABT437_001_000]	
Interference immunity against high-frequency radiation acc. to IEC 61000-4-3	Yes ; 10 V/m, 80 to 1000 MHz (to IEC 61000-4-3); 10 V/m, 900 MHz, 1.89 GHz, 50% ED (to IEC 61000-4-3)
[nicht versorgt: TAK_ABT439_001_000]	
Interference immunity against high frequency current feed acc. to IEC 61000-4-6	Yes ; 10 V, 9 kHz to 80 MHz (to IEC 61000-4-6)
[nicht versorgt: TAK_ABT430_001_000]	
Interference immunity to magnetic fields at 50 Hz	30 A/m ; to IEC 61000-4-8
[nicht versorgt: TAK_ABT420_001_000]	
Interference emission acc. to EN 55022, class B	Yes
Environmental requirements	

subject to modifications
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Operating temperature	
Min.	5 °C
max.	40 °C
permissible temperature change	10 °C/h ; Operation: 10 K/h; storage/transport: 20 K/h
Storage/transport temperature	
Min.	-20 °C
max.	60 °C
Relative humidity	
Operation, min.	5 %
Operation, max.	80 % ; at 25 °C (no condensation)
Storage/transport, min.	5 %
Storage/transport, max.	95 % ; at 25 °C (no condensation)
Vibrations	
Operation, checked according to IEC 60068-2-6	Yes ; 10 to 58 Hz: amplitude 0.075 mm; 58 to 500 Hz: acceleration 9.8 m/s2
Transport tested checked to IEC 60068-2-6	Yes ; (packed) 5 to 9 Hz, amplitude 3.5 mm; 9 to 500 Hz, acceleration 9.8 m/s2
Shock test	
Shock test	Tested to DIN IEC 60068-2-2; Operation: 950 m/s2 (10 g), 30 ms, 100 Shocks; Transport (packaged): 250 m/s2 (25 g), 6 ms, 1000 shocks
Dimensions and weight	
Dimensions and weight	
Width	105 mm
Height	58 mm
Depth	26 mm
Weight	
Weight, approx.	100 g
Status	May 4, 2010

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