

# 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  
WINXP/VISTA/ WINDOWS 7 32/64BIT



### Supply voltage

24 V DC

Yes

### Input current

Current consumption, typ.

100 mA

### Power

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 &lt; 3 m); 2 kV (to IEC 61000-4-4; burst; length &gt; 3 m)

### Surge immunity

|                                                                                 |                                                                                                                                                              |
|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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.)                                                                            |
| Immunity against high-frequency electromagnetic fields                          |                                                                                                                                                              |
| 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)                                                        |
| Immunity against conducted interference induced by high-frequency fields        |                                                                                                                                                              |
| 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)                                                                                                               |
| Immunity to magnetic field interference                                         |                                                                                                                                                              |
| Interference immunity to magnetic fields at 50 Hz                               | 30 A/m ; to IEC 61000-4-8                                                                                                                                    |
| Emission of radio interference acc. to EN 55 022                                |                                                                                                                                                              |
| Interference emission acc. to EN 55022, class B                                 | Yes                                                                                                                                                          |
| Ambient conditions                                                              |                                                                                                                                                              |
| 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/s <sup>2</sup>                                                                       |
| 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/s <sup>2</sup>                                                                   |
| Shock test                                                                      |                                                                                                                                                              |
| Shock test                                                                      | Tested to DIN IEC 60068-2-2; Operation: 950 m/s <sup>2</sup> (10 g), 30 ms, 100 Shocks; Transport (packaged): 250 m/s <sup>2</sup> (25 g), 6 ms, 1000 shocks |
| Dimensions                                                                      |                                                                                                                                                              |

|                 |              |
|-----------------|--------------|
| Width           | 105 mm       |
| Height          | 58 mm        |
| Depth           | 26 mm        |
| Weight          |              |
| Weight, approx. | 100 g        |
| Status          | Jun 23, 2012 |