

Product type designation

CP 5711

COMMUNICATIONS PROCESSOR CP5711 USB-ADAPTOR (USB V2.0) FOR CONNECTING A PG OR NOTEBOOK TO PROFIBUS OR MPI; CONTAINS 2M USB CABLE



Transmission rate

Transfer rate

- at the 1st interface / acc. to PROFIBUS

9.6 kbit/s ... 12 Mbit/s

Interfaces

Number of electrical connections

- at the 1st interface / acc. to PROFIBUS
- for power supply

1

1

Number of interfaces / acc. to USB

1

Type of electrical connection

- at the 1st interface / acc. to PROFIBUS
- for power supply
- of the USB interface

9-pin Sub-D socket (RS 485)

2-pole terminal block

Standard-B socket with mechanical interlock

Standard for interfaces / USB 2.0

Yes

Supply voltage, current consumption, power loss

Type of voltage / of the supply voltage

DC

Type of voltage supply / optional external supply

Yes

Supply voltage

• from USB • external • external • Note	5 V 24 V 18 ... 30 V Supplied directly from USB provided that supply from PC is adequate; alternative external supply is possible
Relative symmetrical tolerance / at DC	
• at 5 V • at 24 V	5 % 5 %
Consumed current	
• from USB • from external supply voltage / at DC / at 24 V / maximum	0.5 A 0.3 A
Power loss [W]	2.5 W

Permitted ambient conditions

Ambient temperature	
• during operation • during storage • during transport	0 ... 60 °C -40 ... +60 °C -40 ... +60 °C
Relative humidity / at 25 °C / without condensation / during operation / maximum	85 %
Protection class IP	IP20

Design, dimensions and weight

Module format	USB V2.0 adapter
Width	85 mm
Height	137 mm
Depth	35 mm
Net weight	300 g
Mounting type	Mounting on DIN rail with optional mounting rail support
Mounting type / 35 mm DIN rail mounting	Yes
Number of plug-in cards of same design / plug-in / per PC station	1
Number of units / Note	-

Performance data

Performance data / open communication

Software / for open communication / by means of SEND/RECEIVE / required	Yes, SOFTNET-PB DP / SOFTNET-PB DP Slave / SOFTNET-PB S7
Number of possible connections / for open communication / by means of SEND/RECEIVE / maximum	50

Performance data / PROFIBUS DP

Software / for DP master function / required	Yes, SOFTNET-PB DP
Service / as DP master	

• DPV0	Yes
• DPV1	No
• DPV2	No
Number of DP slaves / on DP master / usable	64
Amount of data	
• of the address area of the inputs / as DP master / total	15616 byte
• of the address area of the outputs / as DP master / total	15616 byte
• of the address area of the inputs / per DP slave	244 byte
• of the address area of the outputs / per DP slave	244 byte
• of the address area of the diagnostic data / per DP slave	244 byte
Software / for DP slave function / required	Yes, SOFTNET-PB DP slave
Service / as DP slave	
• DPV0	Yes
• DPV1	No
Amount of data	
• of the address area of the inputs / as DP slave / total	122 byte
• of the address area of the outputs / as DP slave / total	122 byte

Performance data / S7 communication

Software / for S7 communication / required	Yes, SOFTNET-PB S7
Number of possible connections / for S7/PG communication / maximum	8

Performance data / multi-protocol mode

Number of configurable connections / per PC station	207
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Product functions / management, configuration

Configuration software / required	Included in the scope of delivery of the required software product
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Product functions / Diagnosis

Product function	
• Port diagnostics	Yes

Standards, specifications, approvals

Standard	
• for EMC	2004/108/EC
• for safety / from CSA and UL	CAN/CSA C22.2 & UL 60950-1
• for emitted interference	EN 61000-6-3, EN 61000-6-4
• for interference immunity	EN 61000-6-1, EN 61000-6-2
Certificate of suitability	

- CE marking
- C-Tick

Yes

Yes

Accessories

accessories

optional: MPI cable, mounting rail support

Further Information / Internet Links

Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/snst>

<http://www.siemens.com/simatic-net>

<http://www.siemens.com/industrial-controls/mall>

<http://www.siemens.com/industry/infocenter>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

Security information

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