

### Product-type designation

### CP 5711 MPI



COMMUNICATIONS PROCESSOR CP5711 USB-ADAPTER (USB V2.0) FOR CONNECTING A PG OR NOTEBOOK TO PROFIBUS OR MPI;  
COMES WITH 2M USB CABLE AND 5M MPI CABLE

### Transmission rate

#### Transmission rate

- at interface 1 / in accordance with PROFIBUS
  - minimum
  - maximum

9.6 kbit/s

12 Mbit/s

### Interfaces

Number of electrical connections / at interface 1 / in accordance with PROFIBUS

1

Number of interfaces / according to USB

1

Number of electrical connections / for power supply

1

Design of electrical connection / at interface 1 / in accordance with PROFIBUS

9-pin Sub-D socket (RS 485)

Design of the electrical connection / of the USB interface

Standard-B socket with mechanical interlock

Standard for interfaces / USB 2.0

Yes

### Supply voltage, current consumption, power loss

Type of

DC

Type of power supply / optional external supply

Yes

Supply voltage

- from USB
- external

5 V

24 V

<ul style="list-style-type: none"> <li>• minimum</li> </ul>	18 V
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	30 V
<ul style="list-style-type: none"> <li>• note</li> </ul>	Supplied directly from USB provided that supply from PC is adequate; alternative external supply is possible
Relative symmetrical tolerance	
<ul style="list-style-type: none"> <li>• at 5 V / with DC</li> </ul>	5 %
<ul style="list-style-type: none"> <li>• at 24 V / with DC</li> </ul>	5 %
Consumed current	
<ul style="list-style-type: none"> <li>• from USB</li> </ul>	0.5 A
<ul style="list-style-type: none"> <li>• from external supply voltage</li> </ul>	
<ul style="list-style-type: none"> <li>• at 24 V / with DC / maximum</li> </ul>	0.3 A
Resistive loss	2.5 W
<b>Permitted ambient conditions</b>	
Ambient temperature	
<ul style="list-style-type: none"> <li>• during operating</li> </ul>	5 ... 60 °C
<ul style="list-style-type: none"> <li>• during storage</li> </ul>	-20 ... +60 °C
<ul style="list-style-type: none"> <li>• during transport</li> </ul>	-20 ... +60 °C
Relative humidity	
<ul style="list-style-type: none"> <li>• at 25 °C / without condensation / during operating / maximum</li> </ul>	85 %
Protection class IP	IP20
<b>Design, dimensions and weight</b>	
Module format	USB V2.0 adapter
Width	85 mm
Height	137 mm
Depth	35 mm
Net weight	500 g
Mounting type / 35 mm DIN rail mounting	Yes
Mounting type	Mounting on DIN rail with optional mounting rail support
<b>Product properties, functions, components / general</b>	
Number of plug-in cards in the same design / can be plugged in / per PC station	1
Number of modules / note	-
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
Software / for DP master function / required	Yes, SOFTNET-PB DP
Service / as DP master	
<ul style="list-style-type: none"> <li>• DPV0</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• DPV1</li> </ul>	No
<ul style="list-style-type: none"> <li>• DPV2</li> </ul>	No

Number of DP slaves / on DP master / usable	64
Amount of data	
• of the address area of the inputs / as DP master / overall	15616 byte
• of the address area of the outputs / as DP master / overall	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 / overall	122 byte
• of the address area of the outputs / as DP slave / overall	122 byte
Software / for S7 communication / required	Yes, SOFTNET-PB S7
Number of possible connections / for S7/PG communication / maximum	8
Number of configurable connections / per PC station	207
Product function / Port diagnostics	Yes
<b>Standards, specifications, approvals</b>	
Standard	
• for EMC	2004/108/EC
• for safety / of 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
Verification of suitability	
• CE mark	Yes
• C-Tick	Yes
<b>Accessories</b>	
Accessories	included in scope of supply: MPI cable / optional: rail support
<b>letzte Änderung:</b>	Apr 28, 2014