## SIEMENS

## Data sheet

## 6GK1571-1AA00

product ty	pe desig	nation
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## CP 5711

Communications processor CP 5711 USB adapter (USB V2.0) for connection of a PG or Notebook to PROFIBUS or MPI; contain 2 m USB cable.

transfer rate       9.6 kbit/s 12 Mbit/s         • at the 1st interface / according to PROFIBUS       9.6 kbit/s 12 Mbit/s         number of electrical connections       1         • et the 1st interface / according to PROFIBUS       1         • for power supply       1         • or power supply       1         • et the 1st interface / according to PROFIBUS       9-pin Sub-D socket (RS 485)         • or power supply       2-pole terminal block         • of the USB interface       Standard-B socket with mechanical interlock         standard for interfaces / USB 2.0       Yes         supply       2-pole terminal block         standard for interface / according nower loss       Vye of voltage supply / optional external power supply         vipe of voltage supply / optional external power supply       Yes         supply voltage       DC         • noru USB       5 V         • external       18 30 V         supply is possible       Supplied directly from USB provided that supply from PC is adequate: alternative external supply is possible         relative symmetrical tolerance / at DC       5 %         • at 5 V       5 %         • at 5 V       5 %         • at 5 V       5 %         • noru USB       0.5 A         • noru W	transfer rate	
interfaces         number of electrical connections         • at the 1st interface / according to PROFIBUS         • for power supply         1         • of rop power supply         • at the 1st interface / according to VROFIBUS         • of rop wer supply         • of rop wer supply         • of the USB interface         • of rop wer supply         • of the USB interface         standard for interfaces / USB 2.0         Supply voltage, current consumption, power loss         type of voltage supply / optional external power supply         supply voltage         • from USB         • external         • note         • at 5 V         • at 24 V         consumed current         • form USB         • form weternal supply voltage / at DC / at 24 V /         onsident temperature         • during operation         • during operation         • during operation         • during operation         • during transport <td>transfer rate</td> <td></td>	transfer rate	
number of electrical connections       1         • at the 1st interface / according to PROFIBUS       1         • for power supply       1         number of interfaces / according to PROFIBUS       1         • at the 1st interface / according to PROFIBUS       9-pin Sub-D socket (RS 485)         • or power supply       2-pole terminal block         • of the USB interface       Standard-B socket with mechanical interlock         standard for interfaces / USB 2.0       Yes         supply voltage current consumption, power loss       DC         type of voltage / of the supply voltage       DC         type of voltage supply / optional external power supply       Yes         supply voltage       DC         • from USB       5 V         • external       24 V         • external       24 V         • external       30 V         • note       Supplied directly from USB provided that supply from PC is adequate; alternative external supply is possible         relative symmetrical tolerance / at DC       5 %         • at 5 V       5 %         • from USB       0.5 A         • from USB       0.5 A         • from uses [W]       2.5 W         ambient temperature       4.0 40 °C         • during strarge <td><ul> <li>at the 1st interface / according to PROFIBUS</li> </ul></td> <td>9.6 kbit/s 12 Mbit/s</td>	<ul> <li>at the 1st interface / according to PROFIBUS</li> </ul>	9.6 kbit/s 12 Mbit/s
<ul> <li>at the 1st interface / according to PROFIBUS         <ul> <li>for power supply</li> <li>number of interfaces / according to USB</li> <li>type of electrical connection                 <ul></ul></li></ul></li></ul>	interfaces	
• for power supply       1         number of interfaces / according to USB       1         type of electrical connection       -         • at the 1st interface / according to PROFIBUS       9-pin Sub-D socket (RS 485)         • for power supply       2-pole terminal block         • of the USB interface       Scandard-B socket with mechanical interlock         standard for interfaces / USB 2.0       Yes         supply voltage, current consumption, power loss       Ves         type of voltage / of the supply voltage       DC         type of voltage supply / optional external power supply       Yes         supply voltage       5 V         • from USB       5 V         • external       18 30 V         • note       Supplied directly from USB provided that supply from PC is adequate; alternative external supply is possible         relative symmetrical tolerance / at DC       5 %         • at 24 V       5 %         consumed current       6         • from USB       0.5 A         • from USB       0.5 A         • maximum       0.5 A         • maximum       0.5 A         • from uses [W]       2.5 W         amblent conditions       3.4         • during stransgort       40 +60 °C	number of electrical connections	
number of interfaces / according to USB     1       type of electrical connection     9-jin Sub-D socket (RS 485)       • at the 1st interface / according to PROFIBUS     9-jin Sub-D socket (RS 485)       • of power supply     2-pole terminal block       • of the USB interface     Standard-B socket with mechanical interlock       standard for interfaces / USB 2.0     Yes       supply voltage, current consumption, power loss     Ves       type of voltage / of the supply voltage     DC       type of voltage / of the supply voltage     DC       external     24 V       • external     18 30 V       • external     18 30 V       • external     5 %       • at 5 V     5 %       • at 5 V     5 %       • at 5 V     5 %       • at 24 V     5 %       consumed current     0.5 A       • from USB     0.5 A       • from usternal supply voltage / at DC / at 24 V /     0.3 A       maximum     2.5 W       ombient conditions     60 °C       • during voration     60 °C       • during it ransport     -40 +60 °C       • during it ransport     -40 +60 °C       •	<ul> <li>at the 1st interface / according to PROFIBUS</li> </ul>	1
type of electrical connection <ul> <li>at the 1st interface / according to PROFIBUS</li> <li>for power supply</li> <li>of the USB interface</li> <li>Standard for interfaces / USB 2.0</li> <li>Yes</li> </ul> <ul> <li>supply voltage, current consumption, power loss</li> <li>type of voltage supply / optional external power supply</li> <li>Yes</li> </ul> supply voltage, current consumption, power loss <ul> <li>bype of voltage supply / optional external power supply</li> <li>Yes</li> </ul> supply voltage, current consumption, power loss <ul> <li>bype of voltage supply / optional external power supply</li> <li>Yes</li> <li>supply voltage</li> <li>external</li> <li>a 30 V</li> <li>Supplied directly from USB provided that supply from PC is adequate; alternative external supply is possible</li> </ul> relative symmetrical tolerance / at DC <ul> <li>at 24 V</li> <li>5 %</li> <li>consumed current</li> <li>from USB</li> <li>ons 4</li> <li>form uSB</li> <li>form USB</li> <li>form external supply voltage / at DC / at 24 V /</li> <li>as 4</li> <li>form uses [W]</li> <li>as 5 %</li> </ul> <li>ambient conditions     <ul> <li>ambient conditions</li> <li>during poration</li> <li>during transport</li> <li>during transport</li> <li>during transport</li> <li>during transport<!--</td--><td><ul> <li>for power supply</li> </ul></td><td>1</td></li></ul></li>	<ul> <li>for power supply</li> </ul>	1
<ul> <li>at the 1st interface / according to PROFIBUS</li> <li>of r power supply</li> <li>of the USB interface</li> <li>standard for interfaces / USB 2.0</li> <li>Yes</li> <li>supply voltage, current consumption, power loss</li> <li>type of voltage / of the supply voltage</li> <li>per of voltage / of the supply / optional external power supply</li> <li>Yes</li> <li>supply voltage</li> <li>of the USB</li> <li>per voltage</li> <li>the USB</li> <li>the USB</li></ul>	number of interfaces / according to USB	1
• for power supply       2-pole terminal block         • of the USB interface       Standard-B socket with mechanical interlock         standard for interfaces / USB 2.0       Yes         supply voltage, current consumption, power loss       DC         type of voltage / of the supply voltage       DC         type of voltage supply / optional external power supply       Yes         supply voltage       DC         • from USB       5 V         • external       18 30 V         • note       Supplied directly from USB provided that supply from PC is adequate; alternative external supply is possible         relative symmetrical tolerance / at DC       5 %         • at 5 V       5 %         • from USB       0.5 A         • from external supply voltage / at DC / at 24 V /       0.3 A         maximum       2.5 W         ambient temperature       0 60 °C         • during operation       0 60 °C         • during storage       -40 +60 °C         • during storage       -40 +60 °C         • during str	type of electrical connection	
• of the USB interface       Standard Face       Yes         supply voltage, current consumption, power loss       Ves         type of voltage / of the supply voltage       DC         type of voltage supply / optional external power supply       Yes         • from USB       5 V         • external       24 V         • external       18 30 V         • note       Supplied directly from USB provided that supply from PC is adequate; attentive external supply is possible         relative symmetrical tolerance / at DC       5 %         • at 5 V       5 %         • at 5 V       5 %         • from USB       0.5 A         • from external supply voltage / at DC / at 24 V /         • from external supply voltage / at DC / at 24 V /         • at 5 V       5 %         • at 0 USB       0.5 A         • from external supply voltage / at DC / at 24 V /       0.3 A         maximum       2.5 W         ambient temperature       -40 +60 °C         • during operation       0 60 °C         • during storage       -40 +60 °C         • during storage       40 +60 °C	<ul> <li>at the 1st interface / according to PROFIBUS</li> </ul>	9-pin Sub-D socket (RS 485)
standard for interfaces / USB 2.0       Yes         supply voltage, current consumption, power loss       DC         type of voltage / of the supply voltage       DC         type of voltage supply / optional external power supply       Yes         supply voltage       DC         • from USB       5 V         • external       24 V         • external       24 V         • external       Supplied directly from USB provided that supply from PC is adequate; alternative external supply is possible         relative symmetrical tolerance / at DC       5 %         • at 2 V       5 %         consumed current       5 %         • from USB       0.5 A         • from external supply voltage / at DC / at 24 V / maximum       0.3 A         power loss [W]       2.5 W         ambient conditions       0 60 °C         • during operation       0 60 °C         • during storage       -40 +60 °C         • during transport       -40 +60 °C      <	<ul> <li>for power supply</li> </ul>	2-pole terminal block
supply voltage, current consumption, power loss         type of voltage / of the supply voltage       DC         type of voltage supply / optional external power supply       Yes         supply voltage       5 V         • from USB       5 V         • external       18 30 V         • note       Supplied directly from USB provided that supply from PC is adequate; alternative external supply is possible         relative symmetrical tolerance / at DC       5 %         • at 5 V       5 %         • at 24 V       5 %         consumed current       0.5 A         • from USB       0.5 A         • from external supply voltage / at DC / at 24 V /       0.3 A         maximum       2.5 W         ambient conditions       0 60 °C         • during operation       0 60 °C         • during storage       -40 +60 °C         • during tansport	<ul> <li>of the USB interface</li> </ul>	Standard-B socket with mechanical interlock
type of voltage / of the supply voltage type of voltage supply / optional external power supply supply voltage       DC         • from USB       5 V         • external       24 V         • external       18 30 V         • note       Supplied directly from USB provided that supply from PC is adequate; alternative external supply is possible         relative symmetrical tolerance / at DC       5 %         • at 5 V       5 %         • at 24 V       5 %         consumed current       0.5 A         • from USB       0.5 A         • from external supply voltage / at DC / at 24 V / maximum       0.3 A         power loss [W]       2.5 W         ambient conditions       0 60 °C         • during operation       0 60 °C         • during storage       -40 +60 °C         • during storage       -40 +60 °C         • during torage       -40 +60 °C         • during storage       -40 +60 °C         • during torage       -10 +60 °C         • during torage       -10 +60 °C         • during tansport       B5 %         • generation       IP20	standard for interfaces / USB 2.0	Yes
type of voltage supply / optional external power supply       Yes         supply voltage       5 V         • from USB       5 V         • external       24 V         • external       18 30 V         • note       Supplied directly from USB provided that supply from PC is adequate; alternative external supply is possible         relative symmetrical tolerance / at DC       -         • at 5 V       5 %         • at 24 V       5 %         consumed current       -         • from USB       0.5 A         • from external supply voltage / at DC / at 24 V /       0.3 A         maximum       2.5 W         ambient temperature       -         • during operation       0 60 °C         • during torage       -40 +60 °C         • during transport       -40 +60 °C         • during transport       -40 +60 °C         <	supply voltage, current consumption, power loss	
supply voltage <ul> <li>from USB</li> <li>external</li> <li>external</li> <li>external</li> <li>atternal</li> <li>astore</li> <li>note</li> <li>supplied directly from USB provided that supply from PC is adequate; alternative external supply is possible</li> <li>relative symmetrical tolerance / at DC</li> <li>at 5 V</li> <li>at 5 V</li> <li>5 %</li> <li>at 24 V</li> <li>consumed current</li> <li>from USB</li> <li>0.5 A</li> <li>from external supply voltage / at DC / at 24 V /</li> <li>0.3 A</li> <li>maximum</li> <li>power loss [W]</li> <li>2.5 W</li> <li>ambient temperature</li> <li>during operation</li> <li>during storage</li> <li>during storage</li> <li>during transport</li> <li>eduring transport</li> <li>attice in those of C</li> <li>during transport</li> <li>attice in the of C</li> <li>during transport</li> <li>protection class IP</li> <li>IP20</li> <li>design, dimensions and weights</li> <li>during torage</li> <li>gative humidity / at 25 °C / without condensation / during</li> <li>protection class IP</li> <li>IP20</li> <li>design, dimensions and weights</li> <li>IP20</li> <li>IP20</li></ul>	type of voltage / of the supply voltage	DC
ifrom USB       5 V         external       24 V         external       18 30 V         enote       Supplied directly from USB provided that supply from PC is adequate; auternative external supply is possible         relative symmetrical tolerance / at DC       5 %         e at 5 V       5 %         e at 24 V       5 %         consumed current       5 %         ifrom USB       0.5 A         ofrom external supply voltage / at DC / at 24 V /       0.3 A         maximum       2.5 W         ambient conditions       2.5 W         ambient temperature       0 60 °C         • during operation       0 60 °C         • during storage       -40 +60 °C         • during transport       -40 +60 °C         • during transport       85 %         operation / maximum       85 %         protection class IP       IP20	type of voltage supply / optional external power supply	Yes
external24 Vexternal18 30 V• noteSupplied directly from USB provided that supply from PC is adequate; alternative external supply is possiblerelative symmetrical tolerance / at DC-• at 5 V5 %• at 24 V5 %consumed current-• from USB0.5 A• from external supply voltage / at DC / at 24 V / maximum0.3 Apower loss [W]2.5 Wambient conditions-ambient temperature-• during operation0 60 °C• during storage-40 +60 °C• during storage-40 +60 °C• during transport-relative humidity / at 25 °C / without condensation / during protection class IPIP20design, dimensions and weights-	supply voltage	
external       18 30 V         • note       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 5 V       5 %         • at 24 V       5 %         consumed current       • from USB         • from USB       0.5 A         • from external supply voltage / at DC / at 24 V / maximum       0.3 A         power loss [W]       2.5 W         ambient conditions       0 60 °C         • during operation       0 60 °C         • during storage       -40 +60 °C         • during transport       -40 +60 °C         • during transport       85 %         vorection class IP       IP20         design, dimensions and weights       IP20	from USB	5 V
<ul> <li>note</li> <li>Supplied directly from USB provided that supply from PC is adequate; alternative external supply is possible</li> <li>relative symmetrical tolerance / at DC</li> <li>at 5 V</li> <li>5 %</li> <li>at 24 V</li> <li>5 %</li> <li>consumed current</li> <li>from USB</li> <li>0.5 A</li> <li>from external supply voltage / at DC / at 24 V / 0.3 A</li> <li>ambient conditions</li> <li>ambient temperature             <ul></ul></li></ul>	• external	24 V
alternative external supply is possible         relative symmetrical tolerance / at DC         • at 5 V         • at 24 V         consumed current         • from USB         • from external supply voltage / at DC / at 24 V / maximum         power loss [W]         2.5 W         ambient conditions         ambient temperature         • during operation         • during storage         • during transport         relative humidity / at 25 °C / without condensation / during operation / maximum         protection class IP         IP20	• external	18 30 V
<ul> <li>at 5 V</li> <li>at 24 V</li> <li>5 %</li> <li>consumed current</li> <li>from USB</li> <li>of rom external supply voltage / at DC / at 24 V /</li> <li>maximum</li> <li>power loss [W]</li> <li>2.5 W</li> <li>ambient conditions</li> <li>ambient temperature</li> <li>during operation</li> <li>during storage</li> <li>during storage</li> <li>during transport</li> <li>relative humidity / at 25 °C / without condensation / during</li> <li>operation / maximum</li> <li>protection class IP</li> <li>IP20</li> </ul>	• note	
• at 24 V         5 %           consumed current         0.5 A           • from USB         0.5 A           • from external supply voltage / at DC / at 24 V / maximum         0.3 A           power loss [W]         2.5 W           ambient conditions         2.5 W           ambient temperature         0 60 °C           • during operation         0 60 °C           • during storage         -40 +60 °C           • during transport         -40 +60 °C           relative humidity / at 25 °C / without condensation / during operation / maximum         85 %           protection class IP         IP20           design, dimensions and weights         IP20	relative symmetrical tolerance / at DC	
consumed current	• at 5 V	5 %
• from USB0.5 A• from external supply voltage / at DC / at 24 V / maximum0.3 Apower loss [W]2.5 Wambient conditionsambient temperature• during operation0 60 °C• during storage-40 +60 °C• during transport-40 +60 °Crelative humidity / at 25 °C / without condensation / during operation / maximumB5 %protection class IPIP20design, dimensions and weights	• at 24 V	5 %
<ul> <li>from external supply voltage / at DC / at 24 V / maximum</li> <li>power loss [W]</li> <li>2.5 W</li> <li>ambient conditions</li> <li>ambient temperature         <ul> <li>during operation</li> <li>during storage</li> <li>during transport</li> <li>-40 +60 °C</li> <li>during transport</li> <li>-40 +60 °C</li> <li>Battive humidity / at 25 °C / without condensation / during</li> <li>aportection class IP</li> <li>IP20</li> </ul> </li> </ul>	consumed current	
maximum     power loss [W]     2.5 W       ambient conditions     ambient temperature       • during operation     0 60 °C       • during storage     -40 +60 °C       • during transport     -40 +60 °C       relative humidity / at 25 °C / without condensation / during operation / maximum     85 %       protection class IP     IP20	from USB	0.5 A
ambient conditions         ambient temperature         • during operation       0 60 °C         • during storage       -40 +60 °C         • during transport       -40 +60 °C         relative humidity / at 25 °C / without condensation / during operation / maximum       85 %         protection class IP       IP20         design, dimensions and weights       IP20		0.3 A
ambient temperature     0 60 °C       • during operation     -40 +60 °C       • during storage     -40 +60 °C       • during transport     -40 +60 °C       relative humidity / at 25 °C / without condensation / during operation / maximum     85 %       protection class IP     IP20	power loss [W]	2.5 W
• during operation       0 60 °C         • during storage       -40 +60 °C         • during transport       -40 +60 °C         • during transport       -40 +60 °C         relative humidity / at 25 °C / without condensation / during operation / maximum       85 %         protection class IP       IP20         design, dimensions and weights	ambient conditions	
<ul> <li>during storage</li> <li>during transport</li> <li>during transport</li> <li>eduring transport</li></ul>	ambient temperature	
• during transport     • during transport     relative humidity / at 25 °C / without condensation / during     operation / maximum     protection class IP     IP20  design, dimensions and weights	<ul> <li>during operation</li> </ul>	0 60 °C
relative humidity / at 25 °C / without condensation / during operation / maximum protection class IP       85 %         JP20       IP20	<ul> <li>during storage</li> </ul>	-40 +60 °C
operation / maximum       protection class IP       design, dimensions and weights		-40 +60 °C
design, dimensions and weights		85 %
	protection class IP	IP20
module format USB V2.0 adapter	design, dimensions and weights	
	module format	USB V2.0 adapter

width	85 mm
height	137 mm
depth	35 mm
net weight	300 g
fastening method	Mounting on DIN rail with optional mounting rail support
fastening method / 35 mm top hat DIN rail mounting	Yes
product features, product functions, product components	/ general
number of plug-in cards of same design / plug-in / per PC	1
station number of units / note	
performance data / open communication	
software / for open communication / by means of	Yes, SOFTNET-PB DP / SOFTNET-PB DP Slave / SOFTNET-PB S7
SEND/RECEIVE / required 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 / operable	64
data volume	
<ul> <li>of the address range of the inputs / as DP master / total</li> </ul>	15616 byte
<ul> <li>of the address range of the outputs / as DP master / total</li> </ul>	15616 byte
<ul> <li>of the address range of the inputs / per DP slave</li> </ul>	244 byte
<ul> <li>of the address range of the outputs / per DP slave</li> </ul>	244 byte
<ul> <li>of the address range of the diagnostic data / per DP slave</li> </ul>	244 byte
software / for DP slave function / required	Yes, SOFTNET-PB DP slave
service / as DP slave	
• DPV0	Yes
• DPV1	No
<ul> <li>of the address range of the inputs / as DP slave /</li> </ul>	122 byte
<ul> <li>total</li> <li>of the address range of the outputs / as DP slave /</li> </ul>	122 byte
total	
performance data / S7 communication	Yes, SOFTNET-PB S7
software / for S7 communication / required number of possible connections / for S7/PG	8
communication / maximum	0
performance data / multi-protocol mode	
number of configurable connections / per PC station	207
product functions / management, configuration, engineeri	ng
configuration software / required	Included in the scope of delivery of the required software product
product functions / diagnostics	
product function	
port diagnostics	Yes
standards, specifications, approvals	
standard	
• for EMC	2004/108/EC
<ul> <li>for safety / from CSA and UL</li> </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	Yes
C-Tick     CCC / for bazardous zone according to CP standard	Yes
CCC / for hazardous zone according to GB standard	Yes
accessories	entional: MDL cable, mounting roll support
accessories	optional: MPI cable, mounting rail support

further information / internet-Links		
Internet-Link		
<ul> <li>to website: Industrial communication</li> </ul>	http://www.siemens.com/simatic-net	
<ul> <li>to website: Industry Mall</li> </ul>	http://www.siemens.com/industrial-controls/mall	
<ul> <li>to website: Information and Download Center</li> </ul>	http://www.siemens.com/industry/infocenter	
<ul> <li>to website: Image database</li> </ul>	http://automation.siemens.com/bilddb	
<ul> <li>to website: CAx-Download-Manager</li> </ul>	http://www.siemens.com/cax	
<ul> <li>to website: Industry Online Support</li> </ul>	https://support.industry.siemens.com	
security information		
security information	Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action (e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit http://www.siemens.com/industrialsecurity. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com. (V3.4)	

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