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Data sheet — **6GK1571-1AA00**

product type designation	**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	
transfer rate	
● at the 1st interface / according to PROFIBUS	9.6 kbit/s ... 12 Mbit/s
interfaces	
number of electrical connections	
● at the 1st interface / according to PROFIBUS	1
● 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	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 power supply	Yes
supply voltage	
● 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 / maximum	0.3 A
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
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 station	1
number of units / note	-
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 / operable	64
data volume	
● of the address range of the inputs / as DP master / total	15616 byte
● of the address range of the outputs / as DP master / total	15616 byte
● of the address range of the inputs / per DP slave	244 byte
● of the address range of the outputs / per DP slave	244 byte
● of the address range 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
data volume	
● of the address range of the inputs / as DP slave / total	122 byte
● of the address range 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
product functions / management, configuration, engineering	
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
● 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	Yes
● C-Tick	Yes
● CCC / for hazardous zone according to GB standard	Yes; GB3836.1, GB3836.8
● CCC / for hazardous zone according to GB standard / as marking	Ex nA IIC T4 Gc
accessories	
accessories	optional: MPI cable, mounting rail support
further information / internet links	
internet link	
● to web page: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool

● to website: Industrial communication	http://www.siemens.com/simatic-net
● to website: Industry Mall	http://www.siemens.com/industrial-controls/mall
● to website: Information and Download Center	http://www.siemens.com/industry/infocenter
● to website: Image database	http://automation.siemens.com/bilddb
● to website: CAx-Download-Manager	http://www.siemens.com/cax
● to website: Industry Online Support	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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