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## Data sheet 6GK1561-3AA02

**Product type designation**

**CP 5613 A3**

Communications processor CP 5613 A3, PCI card (32 bit; 3.3/5V; 33/66MHz); with a Interface for connection to PROFIBUS; incl. Configuration tool and DP-Base software: DP-RAM Interface for DP master; incl. PG and FDL protocol; Single License for 1 installation of runtime software, Class A; Software+Manuals on DVD; 2 languages (de, en); Operating system support see http:/support.automation. siemens.com/ WW/view/DE/22611503



| | |
|---|---|
| **Transfer 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 | 1 |
| Type of electrical connection | |
| • at the 1st interface / acc. to PROFIBUS | 9-pin Sub-D socket (RS 485) |
| **Supply voltage, current consumption, power loss** | |
| Type of voltage / of the supply voltage | DC |
| Supply voltage | |
| • 1 / from backplane bus | 3.3 V |
| • 2 / from backplane bus | 12 V |
| Relative symmetrical tolerance / at DC | |
| • at 3.3 V | 9 % |
| • at 12 V | 8 % |
| Consumed current | |


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| | |
|---|---|
| • 1 / from backplane bus / at DC / maximum | 0.15 A |
| • 2 / from backplane bus / at DC / maximum | 0.25 A |
| Power loss [W] | 3.5 W |

| Ambient conditions | |
|---|---|
| Ambient temperature | |
| • during operation | 5 ... 55 °C |
| • during storage | -20 ... +60 °C |
| • during transport | -20 ... +60 °C |
| Relative humidity / at 25 °C / without condensation / during operation / maximum | 85 % |
| Protection class IP | IP00 |

| Design, dimensions and weights | |
|---|---|
| Module format | PCI |
| Width | 18 mm |
| Height | 107 mm |
| Depth | 125 mm |
| Net weight | 0.098 kg |

| Product features, product functions, product components / general | |
|---|---|
| Number of plug-in cards of same design / plug-in / per PC station | 4 |
| Number of units / Note | - |

| Performance data |
|---|

| Performance data / open communication | |
|---|---|
| Software / for open communication / by means of SEND/RECEIVE / required | FDL driver included in scope of delivery of the CP |
| Number of possible connections / for open communication / by means of SEND/RECEIVE / maximum | 80 |

| Performance data / PROFIBUS DP | |
|---|---|
| Software / for DP master function / required | No |
| Service / as DP master | |
| • DPV0 | Yes |
| • DPV1 | Yes |
| • DPV2 | Yes |
| Number of DP slaves / on DP master / usable | 124 |
| Amount of data | |
| • of the address area of the inputs / as DP master / total | 30256 byte |
| • of the address area of the outputs / as DP master / total | 30256 byte |
| • of the address area of the inputs / per DP slave | 244 byte |


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| | |
|---|---|
| • 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 | No |
| Service / as DP slave | |
| • DPV0 | Yes |
| • DPV1 | Yes |
| Amount of data | |
| • of the address area of the inputs / as DP slave / total | 244 byte |
| • of the address area of the outputs / as DP slave / total | 244 byte |
| **Performance data / S7 communication** | |
| Software / for S7 communication / required | Yes, HARDNET-PB S7 (S7-5613) |
| Number of possible connections / for S7/PG communication / maximum | 50 |
| **Performance data / multi-protocol mode** | |
| Number of active connections / with multi-protocol mode | 50 |
| Number of configurable connections / per PC station | 207 |
| **Product functions / management, configuration, engineering** | |
| Configuration software / required | Included in scope of supply |
| **Product functions / Diagnostics** | |
| Product function | |
| • Port diagnostics | Yes |
| **Standards, specifications, approvals** | |
| Standard | |
| • for EMC | 89/336/EEC |
| • for safety / from CSA and UL | CAN/CSA C22.2 & UL 60950-1, UL 1950 |
| • for emitted interference | EN 61000-6-3 |
| • for interference immunity | EN 61000-6-2 |
| Certificate of suitability | |
| • CE marking | Yes |
| • C-Tick | Yes |
| **Further information / Internet-Links** | |
| Internet-Link | |
| • to website: Selector SIMATIC NET SELECTION TOOL | http://www.siemens.com/snst |
| • to website: Industrial communication | http://www.siemens.com/simatic-net |
| • to website: Industry Mall | http://www.siemens.com/industrial-controls/mall |


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| • 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 |

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|---|---|
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