

Data sheet

6GK1561-3AA01

product type designation



CP 5613 A2

***** spare part ***** communications processor CP 5613 A2, PCI card for connection to PROFIBUS; incl. DP-Base software, configuration tool: DP-RAM interface for DP master incl. PG and FDL protocol, single license for 1 installation, runtime software, Class A; software and electr. manual on CD-ROM, 2 languages (de,en); operating system support see SIMATIC NET software; only for old applications, from Windows XP 6GK1561-3AA02 is recommended, see <http://support.automation.siemens.com/WW/view/en/22611503>.

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

type of electrical connection

- at the 1st interface / according 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

5 V

relative symmetrical tolerance / at DC

- at 5 V

5 %

consumed current

- 1 / from backplane bus / at DC / maximum

0.8 A

power loss [W]

4 W

ambient conditions

ambient temperature

- during operation
- during storage
- during transport

5 ... 50 °C

-40 ... +70 °C

-40 ... +70 °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

168 mm

net weight

100 g

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

FMS-5613 supports up to two CP 5603 / CP 5613 A2 / CP 5614 A2 / CP 5623 / CP 5624 processors

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

80

/ by means of SEND/RECEIVE / maximum

performance data / PROFIBUS DP

software / for DP master function / required service / as DP master	No
• DPV0	Yes
• DPV1	Yes
• DPV2	Yes
number of DP slaves / on DP master / operable data volume	124
• of the address range of the inputs / as DP master / total	30256 byte
• of the address range of the outputs / as DP master / total	30256 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 service / as DP slave	No
• DPV0	Yes
• DPV1	Yes
data volume	
• of the address range of the inputs / as DP slave / total	244 byte
• of the address range of the outputs / as DP slave / total	244 byte

performance data / FMS functions

software / for FMS communication / required	Yes, FMS-5613
number of possible connections / for FMS connection / maximum	40

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
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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 50081-1, EN 50081-2
• for interference immunity	EN 50082-1, EN 50082-2
certificate of suitability	
• CE marking	Yes
• C-Tick	Yes

further information / internet-Links

Internet-Link	
• 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
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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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