# SIEMENS

| product type designation | **CP 5623** |
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Communications processor CP 5623 PCI Express X1 (3, 3V) 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, Runtime software, Class A; software and electr. manual on DVD, 2 languages (de, en) ; operating system support see SIMATIC NETsoftware.

| **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 | 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 | |
| ● 1 / from backplane bus / at DC / maximum | 0.72 A |
| ● 2 / from backplane bus / at DC / maximum | 0.25 A |
| power loss [W] | 5.4 W |
| **ambient conditions** | |
| ambient temperature | |
| ● during operation | 5 ... 60 °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 Express x1 (half length) |
| width | 18 mm |
| height | 112 mm |
| depth | 168 mm |
| net weight | 102 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** | |

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| 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 / operable | 124 |
| data volume | |
| ● 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 | No |
| service / as DP slave | |
| ● 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 |
| **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 |
| **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 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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