

Product-type designation

CP 5623



COMMUNICATION PROCESSOR CP 5623 PCI EXPRESS X1 (3.3V) FOR CONNECTION TO PROFIBUS; INCL.DP-BASE SW,NCM PC: DP-RAM INTERF.F.DP-MASTER INCL. PG- AND FDL-PROTOCOL, SINGLE LICENSE F.1 INSTALLATION, R-SW, CLASS A;SW + ELECTR. MAN. ON CD 2-LANGUAGE (GER,ENG); SUPPORT FOR OPERATING SYSTEM SEE SIMATIC NET SW

Transmission rate

Transmission rate

- at interface 1 / in accordance with PROFIBUS

9.6 kbit/s ... 12 Mbit/s

Interfaces

Number of electrical connections / at interface 1 / in accordance with PROFIBUS

1

Design of electrical connection / at interface 1 / in accordance with PROFIBUS

9-pin Sub-D socket (RS 485)

Supply voltage, current consumption, power loss

Type of

DC

Supply voltage

- 1 / from backplane bus
- 2 / from the backplane bus

3.3 V

12 V

Relative symmetrical tolerance

- at 3.3 V / with DC
- at 12 V / with DC

9 %

8 %

Consumed current

- 1 / from backplane bus / with DC / maximum
- 2 / from backplane bus / with DC / maximum

0.72 A

0.25 A

Resistive loss

5.4 W

Permitted ambient conditions	
Ambient temperature	
• during operating	5 ... 60 °C
• during storage	-20 ... +60 °C
• during transport	-20 ... +60 °C
Relative humidity	
• at 25 °C / without condensation / during operating / maximum	85 %
Protection class IP	IP00
Design, dimensions and weight	
Module format	PCI Express x1 (half length)
Width	21.6 mm
Height	126.3 mm
Depth	180.5 mm
Net weight	102 g
Product properties, functions, components / general	
Number of plug-in cards in the same design / can be plugged in / per PC station	4
Number of modules / note	FMS-5613 supports up to two CP 5603 / CP 5613 A2 / CP 5614 A2 / CP 5623 / CP 5624 processors
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
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 / overall	30256 byte
• of the address area of the outputs / as DP master / overall	30256 byte
• of the address area of the inputs / per DP slave	244 byte
• 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 / overall	244 byte

• of the address area of the outputs / as DP slave / overall	244 byte
Software / for FMS communication / required	Yes, FMS-5613
Number of possible connections / for FMS connection / maximum	40
Software / for S7 communication / required	Yes, HARDNET-PB S7 (S7-5613)
Number of possible connections / for S7/PG communication / maximum	50
Number of active connections / with multiprotocol mode	50
Number of configurable connections / per PC station	207
Product function / Port diagnostics	Yes

Standards, specifications, approvals

Standard	
• for EMC	2004/108/EC
• for safety / of 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
Verification of suitability	
• CE mark	Yes
• C-Tick	Yes

Security information

Security information	<p>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. Version 3.4 – 14.11.2013- Siemens AG, I IA L CG, Nuremberg</p>
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