

Product-type designation

CP 5613 A3



COMMUNICATION PROCESSOR CP 5613 A3,
PCI-CARD (32BIT; 3.3/5V; 33/66MHZ);
WITH ONE INTERFACE FOR CONNECT. TO PROFIBUS;
INCL. CONFIGURATION TOOL AND DP-BASE
SOFTWARE: DP-RAM INTERFACE FOR DP-MASTER;
INCL. PG- AND FDL-PROTOCOL;
SINGLE LICENSE FOR 1 INSTALLAT. RUNTIME
SOFTWARE,
CLASS A;
SW + ELECTR. MANUALS ON DVD 2-LANGUAGES (G,E);
SUPPORT FOR OPERATING SYSTEM SEE SIMATIC NET
SOFTWARE V12

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

0.15 A

0.25 A

Resistive loss

3.5 W

Permitted ambient conditions	
Ambient temperature	
• during operating	5 ... 55 °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
Width	18 mm
Height	107 mm
Depth	125 mm
Net weight	0.098 kg
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	-
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 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	89/336/EEC
• for safety / of 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
Verification of suitability	
• CE mark	Yes
• C-Tick	Yes

Security information

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