SIEMENS

Data sheet

Product type designation

6AG1443-5DX05-4XE0

SIPLUS NET CP 443-5

SIPLUS NET CP 443-5 for medial exposure based on 6GK7443-5DX05-0XE0 . Communications processor extended for connection of SIMATIC S7-400 on PROFIBUS, DP, S5-compatible PG/OP and S7 communication



Figure similar

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 (RS485)
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	
• from backplane bus / at DC / at 5 V / typical	0.6 A
Power loss [W]	5.5 W

m) // Tmin (Tmax - 20 K) at 658 hPa 540 hPa (+3 500 m +5 000 m)Relative humidity • with condensation / acc. to IEC 60068-2-38 / maximum100 %; RH including condensation/frost (no commissioning when condensation is present), horizontal installationChemical resistance / to commercially available cooling lubricantsYes; incl. airborne diesel and oil dropletsResistance to biologically active substances • conformity acc. to EN 60721-3-3Yes; Class 3B2 mold and fungal spores (excluding fauna), Class 3B3 on requestResistance to chemically active substances • conformity acc. to EN 60721-3-6Yes; Class 3G4 (RH < 75 %) incl. sait spray in accordance with EN 60068-2-52 (Severity 3). The supplied plug covers must remain in place on the unused interfaces during operation.e. conformity acc. to EN 60721-3-6Yes; Class 3G4 incl. sand, dust. The supplied plug covers must remain in place over the unused interfaces during operation.e. conformity acc. to EN 60721-3-6Yes; Class 3G4 incl. sand, dust. The supplied plug covers must remain in place over the unused interfaces during operation.e. conformity acc. to EN 60721-3-6Yes; Class 3G4 incl. sand, dust. The supplied plug covers must remain in place over the unused interfaces during operation.e. conformity acc. to EN 60721-3-6Yes; Class 2G4 ingl availabilityf. conformity acc. to EN 60721-3-6Yes; Class 2G4 ingl availabilitye. conformity acc. to EN 60721-3-6Yes; Class 3G3 incl. sand, dust. The supplied plug covers must remain in place over the unused interfaces during operation.Yes foreating / protection against pollution according to the coating / acc. to MIL-146058CYes; Coating discoloration during service lif	Ambient conditions	
• during storage -40 +70 °C • during transport -40 +70 °C Installation altitude / at height above sea level / maximum 5000 m Ambient condition / relating to ambient temperature- air pressure - installation altitude Tmin Tmax +1140 hPa 795 hPa (-1 000 m +2 000 m) // Tmin (Tmax - 10 K) at 795 hPa 658 hPa (+2 000 m +3 500 m) // Tmin (Tmax - 20 K) at 658 hPa 540 hPa (+3 500 m +5 000 m) Relative humidity • with condensation / acc. to IEC 60068-2-38 / maximum 100 %; RH including condensation/frost (no commissioning when condensation is present), horizontal installation Chemical resistance / to commercially available cooling lubricants Yes; Class 3B2 mold and fungal spores (excluding fauna). Class 3B3 on request • conformity acc. to EN 60721-3-3 Yes; Class 6B2 mold, fungal and dry rot spores (excluding fauna). • conformity acc. to EN 60721-3-6 Yes; • conf	Ambient temperature	
during transport -40 +70 °C Installation altitude / at height above sea level / maximum 5000 m Ambient condition / relating to ambient temperature - air pressure - installation altitude 5000 m arkinet condition / relating to ambient temperature - air pressure - installation altitude 7min Tmax at 1 140 hPa 795 hPa (-1 000 m +2 000 m) // Tmin (Tmax - 20 K) at 558 hPa (+2 000 m +3 500 m) Relative humidity • with condensation / acc. to IEC 60066-2-38 / maximum 100 %; RH including condensation/frost (no commissioning when condensation is present), horizontal installation Chemical resistance / to commercially available colling lubricants Ves; incl. airborne diesel and oil droplets Resistance to biologically active substances • conformity acc. to EN 60721-3-6 Yes; Class 3B2 mold and fungal spores (excluding fauna), Class 3B3 on request • conformity acc. to EN 60721-3-6 Yes; Class 6B2 mold, fungal and dry rot spores (excluding fauna), Class BB = N60068-2-52 (Seventry 3). The supplied plug covers must remain in place on the unused interfaces during operation. • conformity acc. to EN 60721-3-6 Yes; Class 3S4 incl. sand, dust. The supplied plug covers must remain in place over the unused interfaces during operation. • conformity acc. to EN 60721-3-6 Yes; Class 3S4 incl. sand, dust. The supplied plug covers must remain in place over the unused interfaces during operation. • conformity acc. to EN 60721-3-6 Yes; Class 3S4 incl. sand, dust. The su	 during operation 	0 60 °C
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Product conformity / of the coating / Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies acc. to IPC-CC-830AYes; Conformal coating, class AProtection class IPIP20Design, dimensions and weightsCompact module S7-400 single widthWidth25 mmHeight290 mm		Yes; Protection of the type 1
Performance of Electrical Insulating Compound for Printed Board Assemblies acc. to IPC-CC-830A IP20 Protection class IP IP20 Design, dimensions and weights Compact module S7-400 single width Width 25 mm Height 290 mm	Type of test / of the coating / acc. to MIL-I-46058C	Yes; Coating discoloration during service life possible
Design, dimensions and weights Module format Compact module S7-400 single width Width 25 mm Height 290 mm	Performance of Electrical Insulating Compound for	Yes; Conformal coating, class A
Module formatCompact module S7-400 single widthWidth25 mmHeight290 mm	Protection class IP	IP20
Module formatCompact module S7-400 single widthWidth25 mmHeight290 mm	Design dimensions and weights	
Width 25 mm Height 290 mm		Compact module S7-400 single width
Height 290 mm		
-		
= · · · · · · · · · · · · · · · · ·	Depth	210 mm

Net weight	0.65 kg	
Product features, product functions, product components / general		
Number of units		
• per CPU / maximum	14	
• Note	The number of CPs that can be operated as DP masters depends on the number of CP 443-1 Advanced processors operating in the S7-400 station as PROFINET IO controllers. Up to 10 CPs can be operated in total: up to 4 as PROFINET IO controllers (CP 443-1 Advanced); up to 10 as DP masters (CP 443-5 Extended)	

Performance data / open communication		
Number of possible connections / for open communication / by means of SEND/RECEIVE blocks / maximum	32	
Amount of data		
 as user data per connection / for open communication / by means of SEND/RECEIVE blocks / maximum 	240 byte	
Performance data / PROFIBUS DP		
Service / as DP master		
• DPV1	Yes	
Number of DP slaves		
 on DP master / usable 	125	
Amount of data		
 of the address area of the inputs / as DP master / total 	4096 byte	
 of the address area of the outputs / as DP master / total 	4096 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	
Performance data / S7 communication		
Number of possible connections / for S7		
communication		
• maximum	48	
Performance data / multi-protocol mode		
Number of active connections / with multi-protocol		
mode		
 without DP / maximum 	59	
• with DP / maximum	54	
Product functions / management, configuration, engineering		
Configuration software		

required

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	https://mall.industry.siemens.com
 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. Thirdparty 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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