

product type designation



Figure similar

SIPLUS S7-1200 CM 1243-5

SIPLUS S7-1200 CM 1243-5 based on 6GK7243-5DX30-0XE0 with conformal coating, -25...+55 °C, communications module CM 1243-5, for connecting S7-1200 to PROFIBUS as DP master module

transfer rate

transfer rate	
• at the 1st interface / according to PROFIBUS	9.6 kbit/s ... 12 Mbit/s

interfaces

number of interfaces / according to Industrial Ethernet	0
number of electrical connections	
• at the 1st interface / according to PROFIBUS	1
• for power supply	1
type of electrical connection	
• at the 1st interface / according to PROFIBUS	9-pin Sub-D socket (RS485)
• for power supply	3-pole terminal block

supply voltage, current consumption, power loss

type of voltage / of the supply voltage	DC
supply voltage / external	24 V
supply voltage / external / at DC / rated value	24 V
relative positive tolerance / at DC / at 24 V	20 %
relative negative tolerance / at DC / at 24 V	20 %
consumed current	
• from external supply voltage / at DC / at 24 V / typical	0.1 A
power loss [W]	2.4 W

ambient conditions

ambient temperature	
• for vertical installation / during operation	-25 ... +45 °C
• for horizontally arranged busbars / during operation	-25 ... +55 °C
• 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 at 1 140 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 / according 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; incl. airborne diesel and oil droplets
resistance to biologically active substances	
• conformity according to EN 60721-3-3	Yes; Class 3B2 mold and fungal spores (excluding fauna), Class 3B3 on request
• conformity according to EN 60721-3-6	Yes; Class 6B2 mold, fungal and dry rot spores (excluding fauna)
resistance to chemically active substances	

<ul style="list-style-type: none"> conformity according to EN 60721-3-3 	Yes; Class 3C4 (RH < 75 %) incl. salt spray in accordance with EN 60068-2-52 (Severity 3). The supplied plug covers must remain in place on the unused interfaces during operation.
<ul style="list-style-type: none"> conformity according to EN 60721-3-6 	Yes
resistance to mechanically active substances	
<ul style="list-style-type: none"> conformity according to EN 60721-3-3 	Yes; Class 3S4 incl. sand, dust. The supplied plug covers must remain in place over the unused interfaces during operation.
<ul style="list-style-type: none"> conformity according to EN 60721-3-6 	Yes; Class 6S3 incl. sand, dust. The supplied plug covers must remain in place over the unused interfaces during operation.
coating / for equipped printed circuit board / according to EN 61086	Yes; Class 2 for high availability
type of coating / protection against pollution according to EN 60664-3	Yes; Protection of the type 1
type of test / of the coating / according to MIL-I-46058C	Yes; Coating discoloration during service life possible
product conformity / of the coating / Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A	Yes; Conformal coating, class A
protection class IP	IP20
design, dimensions and weights	
module format	Compact module S7-1200 single width
width	30 mm
height	100 mm
depth	75 mm
net weight	0.134 kg
fastening method	
<ul style="list-style-type: none"> 35 mm top hat DIN rail mounting 	Yes
<ul style="list-style-type: none"> S7-300 rail mounting 	No
<ul style="list-style-type: none"> wall mounting 	Yes
product features, product functions, product components / general	
number of units	
<ul style="list-style-type: none"> per CPU / maximum 	1
performance data / PROFIBUS DP	
service / as DP master	
<ul style="list-style-type: none"> DPV1 	Yes
number of DP slaves	
<ul style="list-style-type: none"> on DP master / operable 	16
data volume	
<ul style="list-style-type: none"> of the address range of the inputs / as DP master / total 	512 byte
<ul style="list-style-type: none"> of the address range of the outputs / as DP master / total 	512 byte
<ul style="list-style-type: none"> of the address range of the inputs / per DP slave 	244 byte
<ul style="list-style-type: none"> of the address range of the outputs / per DP slave 	244 byte
<ul style="list-style-type: none"> of the address range of the diagnostic data / per DP slave 	240 byte
service / as DP slave	
<ul style="list-style-type: none"> DPV0 	No
<ul style="list-style-type: none"> DPV1 	No
performance data / S7 communication	
number of possible connections / for S7 communication	
<ul style="list-style-type: none"> maximum 	8; max. 4 connections to other S7 stations
<ul style="list-style-type: none"> with PG connections / maximum 	1
<ul style="list-style-type: none"> with PG/OP connections / maximum 	3
performance data / multi-protocol mode	
number of active connections / with multi-protocol mode	
<ul style="list-style-type: none"> without DP / maximum 	8
<ul style="list-style-type: none"> with DP / maximum 	8
performance data / telecontrol	
protocol / is supported	
<ul style="list-style-type: none"> TCP/IP 	No
product functions / management, configuration, engineering	
configuration software	
<ul style="list-style-type: none"> required 	STEP 7 Basic/Professional V11 (TIA Portal) or higher
standards, specifications, approvals	
reference code	
<ul style="list-style-type: none"> according to IEC 81346-2:2019 	KEC

further information / internet links

internet link

- to web page: selection aid TIA Selection Tool
- to website: Industrial communication
- to web page: SiePortal
- to website: Image database
- to website: CAX-Download-Manager
- to website: Industry Online Support

<https://www.siemens.com/tstcloud>
<https://www.siemens.com/simatic-net>
<https://sieportal.siemens.com/>
<https://www.automation.siemens.com/bilddb>
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<https://support.industry.siemens.com>

security information

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Approvals / Certificates

General Product Approval

EMV

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