

### product type designation



### 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	
<ul style="list-style-type: none"> <li>at the 1st interface / according to PROFIBUS</li> </ul>	9.6 kbit/s ... 12 Mbit/s
interfaces	
number of interfaces / according to Industrial Ethernet	0
number of electrical connections	
<ul style="list-style-type: none"> <li>at the 1st interface / according to PROFIBUS</li> </ul>	1
<ul style="list-style-type: none"> <li>for power supply</li> </ul>	1
type of electrical connection	
<ul style="list-style-type: none"> <li>at the 1st interface / according to PROFIBUS</li> </ul>	9-pin Sub-D socket (RS485)
<ul style="list-style-type: none"> <li>for power supply</li> </ul>	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	
<ul style="list-style-type: none"> <li>from external supply voltage / at DC / at 24 V / typical</li> </ul>	0.1 A
power loss [W]	2.4 W
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> <li>for vertical installation / during operation</li> </ul>	-25 ... +45 °C
<ul style="list-style-type: none"> <li>for horizontally arranged busbars / during operation</li> </ul>	-25 ... +55 °C
<ul style="list-style-type: none"> <li>during storage</li> </ul>	-40 ... +70 °C
<ul style="list-style-type: none"> <li>during transport</li> </ul>	-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	
<ul style="list-style-type: none"> <li>with condensation / according to IEC 60068-2-38 / maximum</li> </ul>	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	
<ul style="list-style-type: none"> <li>conformity according to EN 60721-3-3</li> </ul>	Yes; Class 3B2 mold and fungal spores (excluding fauna), Class 3B3 on request
<ul style="list-style-type: none"> <li>conformity according to EN 60721-3-6</li> </ul>	Yes; Class 6B2 mold, fungal and dry rot spores (excluding fauna)
resistance to chemically active substances	
<ul style="list-style-type: none"> <li>conformity according to EN 60721-3-3</li> </ul>	Yes; Class 3C4 (RH < 75 %) incl. salt spray in accordance with EN 60068-2-52

<ul style="list-style-type: none"> <li>conformity according to EN 60721-3-6</li> </ul>	(Severity 3). The supplied plug covers must remain in place on the unused interfaces during operation. Yes
resistance to mechanically active substances <ul style="list-style-type: none"> <li>conformity according to EN 60721-3-3</li> </ul>	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"> <li>conformity according to EN 60721-3-6</li> </ul>	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
<b>design, dimensions and weights</b>	
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"> <li>35 mm top hat DIN rail mounting</li> <li>S7-300 rail mounting</li> <li>wall mounting</li> </ul>	Yes No Yes
<b>product features, product functions, product components / general</b>	
number of units <ul style="list-style-type: none"> <li>per CPU / maximum</li> </ul>	1
<b>performance data / PROFIBUS DP</b>	
service / as DP master <ul style="list-style-type: none"> <li>DPV1</li> </ul>	Yes
number of DP slaves <ul style="list-style-type: none"> <li>on DP master / operable</li> </ul>	16
data volume <ul style="list-style-type: none"> <li>of the address range of the inputs / as DP master / total</li> <li>of the address range of the outputs / as DP master / total</li> <li>of the address range of the inputs / per DP slave</li> <li>of the address range of the outputs / per DP slave</li> <li>of the address range of the diagnostic data / per DP slave</li> </ul>	512 byte 512 byte 244 byte 244 byte 240 byte
service / as DP slave <ul style="list-style-type: none"> <li>DPV0</li> <li>DPV1</li> </ul>	No No
<b>performance data / S7 communication</b>	
number of possible connections / for S7 communication <ul style="list-style-type: none"> <li>maximum</li> <li>with PG connections / maximum</li> <li>with PG/OP connections / maximum</li> </ul>	8; max. 4 connections to other S7 stations 1 3
<b>performance data / multi-protocol mode</b>	
number of active connections / with multi-protocol mode <ul style="list-style-type: none"> <li>without DP / maximum</li> <li>with DP / maximum</li> </ul>	8 8
<b>performance data / telecontrol</b>	
protocol / is supported <ul style="list-style-type: none"> <li>TCP/IP</li> </ul>	No
<b>product functions / management, configuration, engineering</b>	
configuration software <ul style="list-style-type: none"> <li>required</li> </ul>	STEP 7 Basic/Professional V11 (TIA Portal) or higher
<b>standards, specifications, approvals</b>	
reference code <ul style="list-style-type: none"> <li>according to IEC 81346-2:2019</li> </ul>	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>
- <https://www.siemens.com/cax>
- <https://support.industry.siemens.com>

**security information**

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**Approvals / Certificates**

General Product Approval

EMV

[Miscellaneous](#)



[Manufacturer Declaration](#)



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Marine / Shipping

[CCC-Ex](#)



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