

Product type designation

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



Figure similar

Transmission rate	
Transfer rate	
• at the 1st interface / acc. to PROFIBUS	9.6 kbit/s ... 12 Mbit/s
Interfaces	
Number of interfaces / acc. to Industrial Ethernet	0
Number of electrical connections	
• at the 1st interface / acc. to PROFIBUS	1
• for power supply	1
Type of electrical connection	
• at the 1st interface / acc. 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 <ul style="list-style-type: none"> • from external supply voltage / at DC / at 24 V / typical 	0.1 A
Power loss [W]	2.4 W

Ambient conditions

Ambient temperature <ul style="list-style-type: none"> • during operation • for vertical installation / during operation • for horizontally arranged busbars / during operation • during storage • during transport • in horizontal mounting position / during operation • during storage and transport 	-25 ... +55 °C -25 ... +45 °C -25 ... +55 °C -40 ... +70 °C -40 ... +70 °C 55 ... -25 °C 70 ... -40 °C
Installation altitude / at height above sea level / maximum	5000 m
Relative humidity <ul style="list-style-type: none"> • with condensation / maximum • with condensation / acc. to IEC 60068-2-38 / maximum 	100 %; r.F., incl. condensation/frost permitted (no commissioning in bedewed state) 100 %
Chemical resistance / to commercially available cooling lubricants	Yes
Resistance to biologically active substances <ul style="list-style-type: none"> • conformity acc. to EN 60721-3-3 • conformity acc. to EN 60721-3-6 	Yes Yes
Resistance to chemically active substances <ul style="list-style-type: none"> • conformity acc. to EN 60721-3-3 • conformity acc. to EN 60721-3-6 	Yes Yes
Resistance to mechanically active substances <ul style="list-style-type: none"> • conformity acc. to EN 60721-3-3 • conformity acc. to EN 60721-3-6 	Yes Yes
Coating / for equipped printed circuit board / acc. to EN 61086	Yes
Type of coating / protection against pollution according to EN 60664-3	Yes
Type of test / of the coating / acc. to MIL-I-46058C	Yes
Product conformity / of the coating / Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies acc. to IPC-CC-830A	Yes
Protection class IP	IP20

Design, dimensions and weight	
Module format	Compact module S7-1200 single width
Width	30 mm
Height	100 mm
Depth	75 mm
Net weight	0.134 kg
Mounting type	
• 35 mm DIN rail mounting	Yes
• S7-300 rail mounting	No
• wall mounting	Yes

Product properties, functions, components / general	
Number of units	
• per CPU / maximum	1

Performance data / PROFIBUS DP	
Service / as DP master	
• DPV1	Yes
Number of DP slaves / on DP master / usable	16
Amount of data	
• of the address area of the inputs / as DP master / total	512 byte
• of the address area of the outputs / as DP master / total	512 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	240 byte
Service / as DP slave	
• DPV0	No
• DPV1	No

Performance data / S7 communication	
Number of possible connections / for S7 communication	
• maximum	8
• with PG connections / maximum	1
• with PG/OP connections / maximum	3
• Note	max. 4 connections to other S7 stations

Performance data / multi-protocol mode	
Number of active connections / with multi-protocol mode	
• without DP / maximum	8

- with DP / maximum

8

Performance data / telecontrol

Protocol / is supported

- TCP/IP

No

Product functions / management, configuration

Configuration software

- required

STEP 7 Basic/Professional V11 (TIA Portal) or higher

Further Information / Internet Links

Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/snst>

<http://www.siemens.com/simatic-net>

<http://www.siemens.com/industrial-controls/mall>

<http://www.siemens.com/automation/net/catalog>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<http://support.automation.siemens.com>

Security information

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