

Product type designation

SIPLUS S7-1200 CM 1243-5 RAIL
SIPLUS S7-1200 CM 1243-5 T1 RAIL -25 ... +55°C T1 with 70°C for 10 min 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 • from external supply voltage / at DC / at 24 V / typical	0.1 A
Power loss [W]	2.4 W

Ambient conditions

Ambient temperature • during operation • during storage • during transport • Note • in horizontal mounting position / during operation • during storage and transport	-25 ... +55 °C -40 ... +70 °C -40 ... +70 °C =Tmax, +70 °C for 10 min (T1 according to EN 50155) 55 ... -25 °C 70 ... -40 °C
Installation altitude / at height above sea level / maximum	2000 m
Relative humidity • 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 • conformity acc. to EN 60721-3-3 • conformity acc. to EN 60721-3-5	Yes Yes
Resistance to chemically active substances • conformity acc. to EN 60721-3-3 • conformity acc. to EN 60721-3-5	Yes Yes
Resistance to mechanically active substances • conformity acc. to EN 60721-3-3 • conformity acc. to EN 60721-3-5	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 coating / for electronic devices in railway applications acc. to EN 50155	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

#NO_DATA

Standards, specifications, approvals

Certificate of suitability / Fire protection in accordance with EN 45545-2

Yes

Railway application

Certificate of suitability / Railway application in accordance with EN 50121-3-2

Yes

Certificate of suitability / Railway application in accordance with EN 50121-4

Yes

Certificate of suitability / Railway application in accordance with EN 50124-1

Yes

Certificate of suitability / railway application in accordance with EN 50125-1

Yes

Certificate of suitability / railway application in accordance with EN 50125-2

Yes

Certificate of suitability / railway application in accordance with EN 50125-3

Yes

Certificate of suitability / Railway application in accordance with EN 50155

Yes

Certificate of suitability / railway application in accordance with EN 61373

Yes

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>

<https://mall.industry.siemens.com>

<http://www.siemens.com/industry/infocenter>

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

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

<https://support.industry.siemens.com>

Security information

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