

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	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> at the 1st interface / acc. to PROFIBUS 	1
<ul style="list-style-type: none"> for power supply 	1
Type of electrical connection	
<ul style="list-style-type: none"> at the 1st interface / acc. to PROFIBUS 	9-pin Sub-D socket (RS485)
<ul style="list-style-type: none"> 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

Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> • during operation 	-25 ... +55 °C
<ul style="list-style-type: none"> • during storage 	-40 ... +70 °C
<ul style="list-style-type: none"> • during transport 	-40 ... +70 °C
Relative humidity / with condensation / maximum	100 %; r.F., incl. condensation/frost permitted (no commissioning in bedewed state)
Resistance to biologically active substances	
<ul style="list-style-type: none"> • conformity acc. to EN 60721-3-3 	Yes; Compliance with EN 60721-3-3, Class 3B2 mold, fungus, and sponge spores (except fauna). The supplied plug covers must remain in place over the unused interfaces during operation!
<ul style="list-style-type: none"> • conformity acc. to EN 60721-3-5 	Yes
Resistance to chemically active substances	
<ul style="list-style-type: none"> • conformity acc. to EN 60721-3-3 	Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3). The supplied plug covers must remain in place over the unused interfaces during operation!
<ul style="list-style-type: none"> • conformity acc. to EN 60721-3-5 	Yes
Resistance to mechanically active substances	
<ul style="list-style-type: none"> • conformity acc. 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 acc. to EN 60721-3-5 	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	
<ul style="list-style-type: none"> • 35 mm 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 properties, functions, components / general

Number of units	
<ul style="list-style-type: none"> • per CPU / maximum 	1

Performance data / PROFIBUS DP

Service / as DP master	
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• 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

Standards, specifications, approvals

Certificate of suitability	
• Railway application in accordance with EN 50121-3-2	Yes
• Railway application in accordance with EN 50121-4	Yes
• railway application in accordance with EN 50125-1	Yes
• railway application in accordance with EN 50125-2	Yes
• railway application in accordance with EN 50125-3	Yes

- Railway application in accordance with EN 50155
- railway application in accordance with EN 61373
- Fire protection in accordance with EN 45545-2

Yes
Yes
Yes

Accessories

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

Security information

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