

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

Permitted 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 	-25 ... +55 °C -25 ... +45 °C -25 ... +55 °C -40 ... +70 °C -40 ... +70 °C
Ambient condition / relating to ambient temperature - air pressure - installation altitude	-25 ... +55°C at 1080 hPa ... 795 hPa (-1000 m ... +2000 m) // -25 ... +45°C at 795 hPa ... 658 hPa (+2000 m ... +3500 m) // -25 ... +35°C at 658 hPa ... 540 hPa (+3500 m ... +5000 m)
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!
Resistance to chemically active substances <ul style="list-style-type: none"> • conformity acc. to EN 60721-3-3 	Yes; Compliant with EN 60721-3-3, Class 3C4 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.
Resistance to mechanically active substances <ul style="list-style-type: none"> • conformity acc. to EN 60721-3-3 	Yes; Compliant with EN 60721-3-3, Class 3S4 incl. sand, dust; the supplied plug covers must remain in place on the unused interfaces during operation.
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 • S7-300 rail mounting • wall mounting 	Yes No 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	
<ul style="list-style-type: none"> DPV1 	Yes
Number of DP slaves / on DP master / usable	16
Amount of data	
<ul style="list-style-type: none"> of the address area of the inputs / as DP master / total 	512 byte
<ul style="list-style-type: none"> of the address area of the outputs / as DP master / total 	512 byte
<ul style="list-style-type: none"> of the address area of the inputs / per DP slave 	244 byte
<ul style="list-style-type: none"> of the address area of the outputs / per DP slave 	244 byte
<ul style="list-style-type: none"> of the address area 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
<ul style="list-style-type: none"> with PG connections / maximum 	1
<ul style="list-style-type: none"> with PG/OP connections / maximum 	3
<ul style="list-style-type: none"> Note 	max. 4 connections to other S7 stations

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
Configuration software	
<ul style="list-style-type: none"> required 	STEP 7 Basic/Professional V11 (TIA Portal) or higher

Accessories

Further Information / Internet Links	
Internet-Link	
<ul style="list-style-type: none"> to website: Selector SIMATIC NET SELECTION TOOL 	http://www.siemens.com/snst

- to website: Industrial communication
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager

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

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

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

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

last modified:

05/16/2018