

Product-type designation



COMMUNICATION MODULE CM 1243-5 FOR
CONNECTION OF SIMATIC S7-1200 TO PROFIBUS AS DP
MASTER MODULE;
PG/OP COMMUNICATION;
S7-COMMUNICATION

Transmission rate

Transmission rate / at interface 1 / in accordance with PROFIBUS	9.6 kbit/s ... 12 Mbit/s
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Interfaces

Number of electrical connections

- at interface 1 / in accordance with PROFIBUS
- for power supply

1
1

Design of electrical connection

- at interface 1 / in accordance with PROFIBUS

9-pin Sub-D socket (RS485)

Supply voltage, current consumption, power loss

Type of voltage / of supply voltage

DC

Supply voltage

- external

24 V

Relative positive tolerance / at 24 V / with DC

20 %

Relative negative tolerance / at 24 V / with DC

20 %

Consumed current

- from external supply voltage / at 24 V / with DC
- typical

0.1 A

Resistive loss

2.4 W

Permitted ambient conditions

Ambient temperature

<ul style="list-style-type: none"> • for vertical installation / during operating phase 	0 ... 45 °C
<ul style="list-style-type: none"> • for horizontal installation / during operating phase 	0 ... 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 / at 25 °C / without condensation / during operating / maximum	95 %
Protection class IP	IP20
Design, dimensions and weight	
Width	30 mm
Height	100 mm
Depth	75 mm
Net weight	0.134 kg
Product properties, functions, components / general	
Number of units	
<ul style="list-style-type: none"> • per CPU / maximum 	1
Performance data	
Performance data / PROFIBUS DP	
Service / as DP master / 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 / overall 	512 byte
<ul style="list-style-type: none"> • of the address area of the outputs / as DP master / overall 	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
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