SIEMENS

Product data sheet 6GK7243-5DX30-0XE0

Product-type designation	CM 1243-5

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

Interfaces	
Number of electrical connections	
• at interface 1 / in accordance with PROFIBUS	1
• for power supply	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	

11/03/2013

• for vertical installation / during operating phase	0 … 45 °C
• for horizontal installation / during operating phase	0 … 55 °C
• during storage	-40 … +70 °C
• during transport	-40 … +70 °C
Relative humidity / at 25 °C / without condensation / during operating / maximum	95 %
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

Product properties, functions, components / general

Number of modules	
• 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	
• of the address area of the inputs / as DP master / overall	512 byte
• of the address area of the outputs / as DP master / overall	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
letzte Änderung:	Oct 28, 2013