

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

Interfaces

Number of electrical connections	
<ul style="list-style-type: none"> • at interface 1 / in accordance with PROFIBUS • for power supply 	<p>1</p> <p>1</p>

Supply voltage, current consumption, power loss

Type of voltage / of supply voltage	DC
Supply voltage	
<ul style="list-style-type: none"> • external 	<p>24 V</p>
Relative positive tolerance / at 24 V / with DC	20 %
Relative negative tolerance / at 24 V / with DC	20 %
Consumed current	
<ul style="list-style-type: none"> • from external supply voltage / at 24 V / with DC <ul style="list-style-type: none"> • typical 	<p>0.1 A</p>
Resistive loss	2.4 W

Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> • for vertical installation / during operating phase • for horizontal installation / during operating phase 	<p>0 ... 45 °C</p> <p>0 ... 55 °C</p>

• 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

Width	30 mm
Height	100 mm
Depth	75 mm
Net weight	0.134 kg

Product properties, functions, components / general

Number of units	
• 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
Performance data / multi-protocol mode	
Number of active connections / with multi-protocol mode	
• without DP / maximum	8
• with DP / maximum	8

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