

Product-type designation

CM 1242-5



COMMUNICATION MODULE CM 1242-5;
FOR CONNECTION OF SIMATIC S7-1200 TO PROFIBUS
AS DP SLAVE MODULE

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 0

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 / supply voltage DC

Supply voltage

- 1 / from backplane bus 5 V

Consumed current

- from backplane bus / at 5 V / for DC / Typical 0.15 A

Resistive loss 0.75 W

Permitted ambient conditions

Ambient temperature

- for vertical installation / during operating phase 0 ... 45 °C
- for horizontal installation / during operating phase 0 ... 55 °C
- 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	
Module format	Compact module S7-1200 single width
Width	30 mm
Height	100 mm
Depth	75 mm
Net weight	0.115 kg
Product properties, functions, components / general	
Number of modules	
<ul style="list-style-type: none"> per CPU / maximum 	3
Performance data	
Performance data / PROFIBUS DP	
Service / as DP slave	
<ul style="list-style-type: none"> DPV0 	Yes
<ul style="list-style-type: none"> DPV1 	Yes
Amount of data	
<ul style="list-style-type: none"> of the address area of the inputs / as DP slave / overall 	240 byte
<ul style="list-style-type: none"> of the address area of the outputs / as DP slave / overall 	240 byte
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