

### 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
- for power supply

1  
1

Design of electrical connection

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

9-pin Sub-D socket (RS485)  
3-pole terminal block

### Supply voltage, current consumption, power loss

Type 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	
• 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
<b>Design, dimensions and weight</b>	
Module format	Compact module S7-1200 single width
Width	30 mm
Height	100 mm
Depth	75 mm
Net weight	0.134 kg
<b>Product properties, functions, components / general</b>	
Number of modules	
• per CPU / maximum	1
<b>Performance data</b>	
<b>Performance data / PROFIBUS DP</b>	
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
<b>Performance data / S7 communication</b>	
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
<b>Performance data / multi-protocol mode</b>	
Number of active connections / with multi-protocol mode	
• without DP / maximum	8
• with DP / maximum	8

Product functions / management, configuration	
Configuration software / required	STEP 7 Basic/Professional V11 (TIA Portal) or higher
Further Information / Internet Links	
Internet-Link	
• to website: Industry Mall	<a href="http://www.siemens.com/industrial-controls/mall">http://www.siemens.com/industrial-controls/mall</a>
• to website: Selector SIMATIC NET SELECTION TOOL	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>
• to website: Industrial communication	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
• to website: Information and Download Center	<a href="http://www.siemens.com/automation/net/catalog">http://www.siemens.com/automation/net/catalog</a>
• to website: Image database	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
• to website: CAx Download Manager	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="http://support.automation.siemens.com">http://support.automation.siemens.com</a>
Security information	
Security information	<p>Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates.</p> <p>For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action (e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit <a href="http://www.siemens.com/industrialsecurity">http://www.siemens.com/industrialsecurity</a>.</p> <p>To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit <a href="http://support.automation.siemens.com">http://support.automation.siemens.com</a>.</p> <p>(V3.4)</p>

**letzte Änderung:**

Aug 7, 2014