

### 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



### Transfer rate

#### Transfer rate

- at the 1st interface / acc. to PROFIBUS

9.6 kbit/s ... 12 Mbit/s

### Interfaces

#### Number of interfaces / acc. to Industrial Ethernet

0

#### Number of electrical connections

- at the 1st interface / acc. to PROFIBUS
- for power supply

1

1

#### Type of electrical connection

- at the 1st interface / acc. to PROFIBUS
- for power supply

9-pin Sub-D socket (RS485)

3-pole terminal block

### Supply voltage, current consumption, power loss

#### Type of voltage / of the supply voltage

DC

#### Supply voltage / external

24 V

#### Supply voltage / external / at DC / Rated value

24 V

#### Relative positive tolerance / at DC / at 24 V

20 %

#### Relative negative tolerance / at DC / at 24 V

20 %

Consumed current	0.1 A
<ul style="list-style-type: none"> <li>from external supply voltage / at DC / at 24 V / typical</li> </ul>	
Power loss [W]	2.4 W

### Ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>for vertical installation / during operation</li> </ul>	0 ... 45 °C
<ul style="list-style-type: none"> <li>for horizontally arranged busbars / during operation</li> </ul>	0 ... 55 °C
<ul style="list-style-type: none"> <li>during storage</li> </ul>	-40 ... +70 °C
<ul style="list-style-type: none"> <li>during transport</li> </ul>	-40 ... +70 °C
Relative humidity	
<ul style="list-style-type: none"> <li>at 25 °C / without condensation / during operation / maximum</li> </ul>	95 %
Protection class IP	IP20

### Design, dimensions and weights

Module format	Compact module S7-1200 single width
Width	30 mm
Height	100 mm
Depth	75 mm
Net weight	0.134 kg
Mounting type	
<ul style="list-style-type: none"> <li>35 mm DIN rail mounting</li> </ul>	Yes
<ul style="list-style-type: none"> <li>S7-300 rail mounting</li> </ul>	No
<ul style="list-style-type: none"> <li>wall mounting</li> </ul>	Yes

### Product features, product functions, product components / general

Number of units	
<ul style="list-style-type: none"> <li>per CPU / maximum</li> </ul>	3

### Performance data / PROFIBUS DP

Service / as DP master	
<ul style="list-style-type: none"> <li>DPV1</li> </ul>	Yes
Number of DP slaves	
<ul style="list-style-type: none"> <li>on DP master / usable</li> </ul>	16
Amount of data	
<ul style="list-style-type: none"> <li>of the address area of the inputs / as DP master / total</li> </ul>	512 byte
<ul style="list-style-type: none"> <li>of the address area of the outputs / as DP master / total</li> </ul>	512 byte
<ul style="list-style-type: none"> <li>of the address area of the inputs / per DP slave</li> </ul>	244 byte
<ul style="list-style-type: none"> <li>of the address area of the outputs / per DP slave</li> </ul>	244 byte

<ul style="list-style-type: none"> <li>• of the address area of the diagnostic data / per DP slave</li> </ul>	240 byte
Service / as DP slave	
<ul style="list-style-type: none"> <li>• DPV0</li> </ul>	No
<ul style="list-style-type: none"> <li>• DPV1</li> </ul>	No

### Performance data / S7 communication

Number of possible connections / for S7 communication	
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	8; max. 4 connections to other S7 stations
<ul style="list-style-type: none"> <li>• with PG connections / maximum</li> </ul>	1
<ul style="list-style-type: none"> <li>• with PG/OP connections / maximum</li> </ul>	3

### Performance data / multi-protocol mode

Number of active connections / with multi-protocol mode	
<ul style="list-style-type: none"> <li>• without DP / maximum</li> </ul>	8
<ul style="list-style-type: none"> <li>• with DP / maximum</li> </ul>	8

### Performance data / telecontrol

Protocol / is supported	
<ul style="list-style-type: none"> <li>• TCP/IP</li> </ul>	No

### Product functions / management, configuration, engineering

Configuration software	
<ul style="list-style-type: none"> <li>• required</li> </ul>	STEP 7 Basic/Professional

### Further information / Internet-Links

Internet-Link	
<ul style="list-style-type: none"> <li>• to website: Selector SIMATIC NET SELECTION TOOL</li> </ul>	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>
<ul style="list-style-type: none"> <li>• to website: Industrial communication</li> </ul>	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
<ul style="list-style-type: none"> <li>• to website: Industry Mall</li> </ul>	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
<ul style="list-style-type: none"> <li>• to website: Information and Download Center</li> </ul>	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>
<ul style="list-style-type: none"> <li>• to website: Image database</li> </ul>	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
<ul style="list-style-type: none"> <li>• to website: CAx Download Manager</li> </ul>	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
<ul style="list-style-type: none"> <li>• to website: Industry Online Support</li> </ul>	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

### Security information

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Security information

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