

### 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

#### 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

0

#### Type of electrical connection

- at the 1st interface / acc. to PROFIBUS

9-pin Sub-D socket (RS485)

### Supply voltage, current consumption, power loss

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

DC

#### Supply voltage / 1 / from backplane bus

5 V

#### Consumed current

- from backplane bus / at DC / at 5 V / typical

0.15 A

#### Power loss [W]

0.75 W

### Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>• for vertical installation / during operation</li> <li>• for horizontally arranged busbars / during operation</li> <li>• during storage</li> <li>• during transport</li> </ul>	<p>0 ... 45 °C</p> <p>0 ... 55 °C</p> <p>-40 ... +70 °C</p> <p>-40 ... +70 °C</p>
Relative humidity / at 25 °C / without condensation / during operation / 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
Mounting type	
<ul style="list-style-type: none"> <li>• 35 mm DIN rail mounting</li> <li>• S7-300 rail mounting</li> <li>• wall mounting</li> </ul>	<p>Yes</p> <p>No</p> <p>Yes</p>

### Product properties, functions, 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 slave	
<ul style="list-style-type: none"> <li>• DPV0</li> <li>• DPV1</li> </ul>	<p>Yes</p> <p>Yes</p>
Amount of data	
<ul style="list-style-type: none"> <li>• of the address area of the inputs / as DP slave / total</li> <li>• of the address area of the outputs / as DP slave / total</li> </ul>	<p>240 byte</p> <p>240 byte</p>

### Performance data / telecontrol

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

### Accessories

### Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> <li>• to website: Selector SIMATIC NET SELECTION TOOL</li> <li>• to website: Industrial communication</li> <li>• to website: Industry Mall</li> </ul>	<p><a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a></p> <p><a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a></p> <p><a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a></p>

- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/industry/infocenter>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

## Security information

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