

SIPLUS S7-1200 CM 1242-5 T1 RAIL -25 ... +55°C T1 with 70°C for 10 min with conformal coating Based on: 6GK7242-5DX30-0XE0 .  
Communication module CM 1242-5, for connecting S7-1200 to PROFIBUS as DP Slave module



Figure similar

Transmission rate	
Transfer rate	
<ul style="list-style-type: none"> <li>at the 1st interface / acc. to PROFIBUS</li> </ul>	9.6 kbit/s ... 12 Mbit/s
Interfaces	
Number of interfaces / acc. to Industrial Ethernet	0
Number of electrical connections	
<ul style="list-style-type: none"> <li>at the 1st interface / acc. to PROFIBUS</li> </ul>	1
<ul style="list-style-type: none"> <li>for power supply</li> </ul>	0
Type of electrical connection	
<ul style="list-style-type: none"> <li>at the 1st interface / acc. to PROFIBUS</li> </ul>	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	
<ul style="list-style-type: none"> <li>from backplane bus / at DC / at 5 V / typical</li> </ul>	0.15 A
Power loss [W]	0.75 W

Permitted ambient conditions	
Ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> </ul>	<p>-25 ... +55 °C</p> <p>-40 ... +70 °C</p> <p>-40 ... +70 °C</p>
Relative humidity / with condensation / maximum	100 %; r.F., incl. condensation/frost permitted (no commissioning in bedewed state)
Resistance to biologically active substances	
<ul style="list-style-type: none"> <li>conformity acc. to EN 60721-3-3</li> <li>conformity acc. to EN 60721-3-5</li> </ul>	<p>Yes; Compliance with EN 60721-3-3, Class 3B2 mold, fungus, and sponge spores (except fauna). The supplied plug covers must remain in place over the unused interfaces during operation!</p> <p>Yes</p>
Resistance to chemically active substances	
<ul style="list-style-type: none"> <li>conformity acc. to EN 60721-3-3</li> <li>conformity acc. to EN 60721-3-5</li> </ul>	<p>Yes; Class 3C4 (RH &lt; 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3). The supplied plug covers must remain in place over the unused interfaces during operation!</p> <p>Yes</p>
Resistance to mechanically active substances	
<ul style="list-style-type: none"> <li>conformity acc. to EN 60721-3-3</li> <li>conformity acc. to EN 60721-3-5</li> </ul>	<p>Yes; Class 3S4 incl. sand, dust. The supplied plug covers must remain in place over the unused interfaces during operation!</p> <p>Yes</p>
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> </ul>	240 byte

## Performance data / telecontrol

### Protocol / is supported

- TCP/IP

No

## Standards, specifications, approvals

### Certificate of suitability

- Railway application in accordance with EN 50121-3-2
- Railway application in accordance with EN 50121-4
- railway application in accordance with EN 50125-1
- railway application in accordance with EN 50125-2
- railway application in accordance with EN 50125-3
- Railway application in accordance with EN 50155
- railway application in accordance with EN 61373
- Fire protection in accordance with EN 45545-2

Yes  
Yes  
Yes  
Yes  
Yes  
Yes  
Yes  
Yes

## Accessories

## Further Information / Internet Links

### Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/snst>  
<http://www.siemens.com/simatic-net>  
<https://mall.industry.siemens.com>  
<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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Security information

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