

product type designation



CM 1242-5

communications module CM 1242-5; for connection of SIMATIC S7-1200 to PROFIBUS as DP slave module.

transfer rate

transfer rate	
• at the 1st interface / according to PROFIBUS	9.6 kbit/s ... 12 Mbit/s

interfaces

number of interfaces / according to Industrial Ethernet	0
number of electrical connections	
• at the 1st interface / according to PROFIBUS	1
• for power supply	0
type of electrical connection	
• at the 1st interface / according 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

ambient conditions

ambient temperature	
• for vertical installation / during operation	0 ... 45 °C
• for horizontally arranged busbars / during operation	0 ... 55 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
relative humidity	
• at 25 °C / without condensation / during operation / maximum	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	0.115 kg
fastening method	
• 35 mm top hat DIN rail mounting	Yes
• S7-300 rail mounting	No
• wall mounting	Yes

product features, product functions, product components / general

number of units	
• per CPU / maximum	3

<b>performance data / PROFIBUS DP</b>	
service / as DP slave	
• DPV0	Yes
• DPV1	Yes
data volume	
• of the address range of the inputs / as DP slave / total	240 byte
• of the address range of the outputs / as DP slave / total	240 byte
<b>performance data / telecontrol</b>	
protocol / is supported	
• TCP/IP	No
<b>product functions / management, configuration, engineering</b>	
configuration software	
• required	STEP 7 Basic/Professional
<b>standards, specifications, approvals / hazardous environments</b>	
certificate of suitability / CCC / for hazardous zone according to GB standard	Yes; GB3836.1, GB3836.8
certificate of suitability / CCC / for hazardous zone according to GB standard / as marking	Ex nA IIC T4 Gc
<b>standards, specifications, approvals / Environmental Product Declaration</b>	
Environmental Product Declaration	Yes
Global Warming Potential [CO2 eq]	
• total	89.58 kg
• during manufacturing	14.29 kg
• during operation	75.11 kg
• after end of life	0.18 kg
<b>further information / internet links</b>	
internet link	
• to website: Image database	<a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>security information</b>	
security information	<p>Siemens provides products and solutions with industrial security functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial security concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial security measures that may be implemented, please visit <a href="https://www.siemens.com/industrialsecurity">https://www.siemens.com/industrialsecurity</a>. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Security RSS Feed under <a href="https://www.siemens.com/cert">https://www.siemens.com/cert</a>. (V4.6)</p>

last modified:

2/14/2024 