

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
- for power supply

1

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
- for horizontally arranged busbars / during operation
- during storage
- during transport

0 ... 45 °C

0 ... 55 °C

-40 ... +70 °C

-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
- S7-300 rail mounting
- wall mounting

Yes

No

Yes

product features, product functions, product components / general

number of units

- per CPU / maximum

3

performance data / PROFIBUS DP	
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
performance data / telecontrol	
protocol / is supported	
• TCP/IP	No
product functions / management, configuration, engineering	
configuration software	
• required	STEP 7 Basic/Professional
standards, specifications, approvals / hazardous environments	
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
standards, specifications, approvals / Environmental Product Declaration	
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
further information / internet links	
internet link	
• to website: Image database	https://www.automation.siemens.com/bilddb
• to website: Industry Online Support	https://support.industry.siemens.com
security information	
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