

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

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
• as marking	Ex nA IIC T4 Gc
further information / internet links	
internet link	
• to web page: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAX-Download-Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com
security information	
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