SIEMENS

Data sheet

6GK7242-5DX30-0XE0

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	
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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