6GK7242-5DX30-0XE0

Communication module CM 1242-5

Technical data

Communication module CM 1242-5; for connection of SIMATIC S7-1200 to PROFIBUS as DP Slave module

transfer rate	
transfer rate	
● at the 1st interface / acc. to PROFIBUS	9.6 kbit/s ... 12 Mbit/s
interfaces	
number of interfaces / acc. to Industrial Ethernet	0
number of electrical connections	
● at the 1st interface / acc. to PROFIBUS	1
● for power supply	0
type of electrical connection	
● at the 1st interface / acc. 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
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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