

product type designation



CM 1243-5

Communication module CM 1243-5 for connection of SIMATIC S7-1200 to PROFIBUS as DP Master module; PG/OP communication; S7 communication

transfer rate	
transfer rate	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> at the 1st interface / acc. to PROFIBUS 	1
<ul style="list-style-type: none"> for power supply 	1
type of electrical connection	
<ul style="list-style-type: none"> at the 1st interface / acc. to PROFIBUS 	9-pin Sub-D socket (RS485)
<ul style="list-style-type: none"> for power supply 	3-pole terminal block
supply voltage, current consumption, power loss	
type of voltage / of the supply voltage	DC
supply voltage / external	24 V
supply voltage / external / at DC / rated value	24 V
relative positive tolerance / at DC / at 24 V	20 %
relative negative tolerance / at DC / at 24 V	20 %
consumed current	
<ul style="list-style-type: none"> from external supply voltage / at DC / at 24 V / typical 	0.1 A
power loss [W]	2.4 W
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> for vertical installation / during operation 	0 ... 45 °C
<ul style="list-style-type: none"> for horizontally arranged busbars / during operation 	0 ... 55 °C
<ul style="list-style-type: none"> during storage 	-40 ... +70 °C
<ul style="list-style-type: none"> during transport 	-40 ... +70 °C
relative humidity	
<ul style="list-style-type: none"> 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	0.134 kg
fastening method	

<ul style="list-style-type: none"> • 35 mm top hat DIN rail mounting • S7-300 rail mounting • wall mounting 	<p>Yes</p> <p>No</p> <p>Yes</p>
product features, product functions, product components / general	
number of units <ul style="list-style-type: none"> • per CPU / maximum 	3
performance data / PROFIBUS DP	
service / as DP master <ul style="list-style-type: none"> • DPV1 	Yes
number of DP slaves <ul style="list-style-type: none"> • on DP master / operable 	32
data volume <ul style="list-style-type: none"> • of the address range of the inputs / as DP master / total • of the address range of the outputs / as DP master / total • of the address range of the inputs / per DP slave • of the address range of the outputs / per DP slave • of the address range of the diagnostic data / per DP slave 	<p>512 byte</p> <p>512 byte</p> <p>244 byte</p> <p>244 byte</p> <p>240 byte</p>
service / as DP slave <ul style="list-style-type: none"> • DPV0 • DPV1 	<p>No</p> <p>No</p>
performance data / S7 communication	
number of possible connections / for S7 communication <ul style="list-style-type: none"> • maximum • with PG connections / maximum • with PG/OP connections / maximum 	<p>8; max. 4 connections to other S7 stations</p> <p>1</p> <p>3</p>
performance data / multi-protocol mode	
number of active connections / with multi-protocol mode <ul style="list-style-type: none"> • without DP / maximum • with DP / maximum 	<p>8</p> <p>8</p>
performance data / telecontrol	
protocol / is supported <ul style="list-style-type: none"> • TCP/IP 	No
product functions / management, configuration, engineering	
configuration software <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support 	<p>http://www.siemens.com/tia-selection-tool</p> <p>http://www.siemens.com/simatic-net</p> <p>https://mall.industry.siemens.com</p> <p>http://www.siemens.com/industry/infocenter</p> <p>http://automation.siemens.com/bilddb</p> <p>http://www.siemens.com/cax</p> <p>https://support.industry.siemens.com</p>
security information	
security information	Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit

<http://www.siemens.com/industrialsecurity>. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit <http://support.automation.siemens.com>. (V3.4)

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