

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	
<p>number of units</p> <ul style="list-style-type: none"> • per CPU / maximum 	3
performance data / PROFIBUS DP	
<p>service / as DP master</p> <ul style="list-style-type: none"> • DPV1 	Yes
<p>number of DP slaves</p> <ul style="list-style-type: none"> • on DP master / operable 	32
<p>data volume</p> <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>
<p>service / as DP slave</p> <ul style="list-style-type: none"> • DPV0 • DPV1 	<p>No</p> <p>No</p>
performance data / S7 communication	
<p>number of possible connections / for S7 communication</p> <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	
<p>number of active connections / with multi-protocol mode</p> <ul style="list-style-type: none"> • without DP / maximum • with DP / maximum 	<p>8</p> <p>8</p>
performance data / telecontrol	
<p>protocol / is supported</p> <ul style="list-style-type: none"> • TCP/IP 	No
product functions / management, configuration, engineering	
<p>configuration software</p> <ul style="list-style-type: none"> • required 	STEP 7 Basic/Professional
standards, specifications, approvals / hazardous environments	
<p>certificate of suitability / CCC / for hazardous zone according to GB standard</p>	Yes
further information / internet-Links	
<p>Internet-Link</p> <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	
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