# SIEMENS

| Data sheet | 6GK7242-5DX30-0XE0 |
|---|---|

| Product type designation | CM 1242-5 |
|---|---|
| | COMMUNICATION MODULE CM 1242-5; FOR CONNECTION OF SIMATIC S7-1200 TO PROFIBUS AS DP SLAVE MODULE |



| Transmission 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 |

| Permitted ambient conditions | |
|---|---|

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| | |
|---|---|
| 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 weight

| | |
|---|---|
| Module format | Compact module S7-1200 single width |
| Width | 30 mm |
| Height | 100 mm |
| Depth | 75 mm |
| Net weight | 0.115 kg |
| Mounting type | |
| • 35 mm DIN rail mounting | Yes |
| • S7-300 rail mounting | No |
| • wall mounting | Yes |

## Product properties, functions, components / general

| | |
|---|---|
| Number of units | |
| • per CPU / maximum | 3 |

## Performance data / PROFIBUS DP

| | |
|---|---|
| Service / as DP slave | |
| • DPV0 | Yes |
| • DPV1 | Yes |
| Amount of data | |
| • of the address area of the inputs / as DP slave / total | 240 byte |
| • of the address area of the outputs / as DP slave / total | 240 byte |

## Performance data / telecontrol

| | |
|---|---|
| Protocol / is supported | |
| • TCP/IP | No |
| Configuration software | |
| • required | STEP 7 Basic/Professional V11 (TIA Portal) or higher |

## Further Information / Internet Links

| | |
|---|---|
| Internet-Link | |
| • to website: Selector SIMATIC NET SELECTION TOOL | http://www.siemens.com/snst |
| • 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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|---|---|
| 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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