



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

| 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 | 0 |
| type of electrical connection | |
| <ul style="list-style-type: none"> 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 | |
| <ul style="list-style-type: none"> from backplane bus / at DC / at 5 V / typical | 0.15 A |
| power loss [W] | 0.75 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 | 0.115 kg |
| fastening method | |
| <ul style="list-style-type: none"> 35 mm top hat DIN rail mounting | Yes |
| <ul style="list-style-type: none"> S7-300 rail mounting | No |
| <ul style="list-style-type: none"> 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 • DPV1 | Yes Yes |
| data volume • of the address range of the inputs / as DP slave / total • of the address range of the outputs / as DP slave / total | 240 byte 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 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 | http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com |
| security information | |
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