




SIMATIC S7-200, PROFIBUS DP Slave module, 9.6 KB to 12 MB, 1 interface PROFIBUS-DP/MPI

| Supply voltage | |
|--|--|
| Load voltage L+ | |
| • Rated value (DC) | 24 V |
| • permissible range, lower limit (DC) | 20.4 V |
| • permissible range, upper limit (DC) | 28.8 V |
| Input current | |
| from external supply (24 V DC), max. | 180 mA; 30 to 180 mA |
| from backplane bus 5 V DC, max. | 150 mA |
| Output voltage | |
| Rated value (DC) | |
| • 5 V DC | Yes |
| • 24 V DC | Yes; 20.4 to 28.8V |
| Output current | |
| For interface (5 V DC), max. | 90 mA |
| For interface (24 V DC), max. | 120 mA |
| • Current limitation | 0.7 to 2.4 A |
| Power loss | |
| Power loss, typ. | 2.5 W |
| Hardware configuration | |
| connectable nodes | TD 200 as of V2.0, OP, TP, PG/PC, S7-300/400, PROFIBUS DP master |
| Interfaces | |
| Number of RS 485 interfaces | 1 |
| MPI | |
| • Number of connections, max. | 6 |
| Interface types | |
| RS 485 | |
| • Transmission rate, max. | 12 Mbit/s |
| • automatic detection of transmission rate | Yes |
| • Cable length, max. | 1 200 m; 100 to 1200 m, depending on transmission speed |
| Protocols | |
| Bus protocol/transmission protocol | PROFIBUS DP (slave), MPI (slave) |
| PROFIBUS DP | |
| • Number of node addresses, max. | 0 to 99, adjustable |
| • Number of stations per segment, max. | 32 |
| • Number of stations in network, max. | 126; of which max. 99 EM 277 |
| Communication functions | |

| Number of connections | |
|--|--|
| <ul style="list-style-type: none"> ● usable for PG communication <ul style="list-style-type: none"> — reserved for PG communication | 1 |
| <ul style="list-style-type: none"> ● usable for OP communication <ul style="list-style-type: none"> — reserved for OP communication | 1 |
| Interrupts/diagnostics/status information | |
| Diagnostics indication LED | |
| <ul style="list-style-type: none"> ● Monitoring of the supply voltage (PWR-LED) | Yes |
| <ul style="list-style-type: none"> ● Bus fault BF (red) | Yes |
| <ul style="list-style-type: none"> ● CPU error (red) | Yes |
| <ul style="list-style-type: none"> ● DX mode (red) | Yes |
| Isolation | |
| Isolation tested with | between external signal and control logic: 500 V AC (galvanic); 5 V DC interface: Isolation between output and module as well as 24 V DC supply voltage: 500 V AC (max. 1 min.); 24 V DC interface: Isolation no; same circuit as 24 V DC supply voltage |
| Connection method | |
| Plug-in I/O terminals | No |
| Dimensions | |
| Width | 71.2 mm |
| Height | 80 mm |
| Depth | 62 mm |
| Weights | |
| Weight, approx. | 175 g |
| last modified: | 12/16/2020  |