




SIMATIC DP, CM PROFIBUS DP for ET 200SP CPU module with PROFIBUS DP interface (9-pole D-sub socket) DP master for 125 DP slaves DP slave,

| General information | |
|---|--|
| Product type designation | CM PROFIBUS DP |
| HW functional status | FS04 |
| Engineering with | |
| <ul style="list-style-type: none"> STEP 7 TIA Portal configurable/integrated from version | V13 Update 3 |
| Supply voltage | |
| Rated value (DC) | 24 V |
| permissible range, lower limit (DC) | 19.2 V |
| permissible range, upper limit (DC) | 28.8 V |
| Reverse polarity protection | Yes |
| 1. Interface | |
| Interface types | |
| <ul style="list-style-type: none"> RS 485 | Yes |
| Protocols | |
| <ul style="list-style-type: none"> PROFIBUS DP master PROFIBUS DP slave SIMATIC communication | Yes Yes Yes |
| PROFIBUS DP master | |
| <ul style="list-style-type: none"> Number of DP slaves, max. | 125 |
| Services | |
| <ul style="list-style-type: none"> PG/OP communication Equidistance Isochronous mode Activation/deactivation of DP slaves | Yes No No Yes |
| PROFIBUS DP slave | |
| <ul style="list-style-type: none"> Transmission rate, max. automatic baud rate search Address area, max. User data per address area, max. | 12 Mbit/s Yes 120 128 byte |
| Services | |
| <ul style="list-style-type: none"> PG/OP communication Routing S7 communication Direct data exchange (slave-to-slave communication) DPV1 | Yes; Only with active interface Yes; Only with active interface Yes; Only with active interface Yes; No subscriber possible - only passive publisher Yes |
| Transfer memory | |
| <ul style="list-style-type: none"> Inputs Outputs | 244 byte 244 byte |

| Interface types | |
|---|--|
| RS 485 | |
| • Transmission rate, max. | 12 Mbit/s |
| • Cable length, max. | 100 m |
| Protocols | |
| SIMATIC communication | |
| • S7 routing | Yes |
| • Data record routing | Yes |
| Interrupts/diagnostics/status information | |
| Diagnostics function | Yes |
| Diagnostics indication LED | |
| • for module diagnostics | Yes; green/red DIAG LED |
| Potential separation | |
| between backplane bus and interface | Yes |
| Ambient conditions | |
| Ambient temperature during operation | |
| • horizontal installation, min. | -25 °C; No condensation |
| • horizontal installation, max. | 60 °C |
| • vertical installation, min. | -25 °C; No condensation |
| • vertical installation, max. | 50 °C |
| Altitude during operation relating to sea level | |
| • Installation altitude above sea level, max. | 5 000 m; Restrictions for installation altitudes > 2 000 m, see manual |
| Dimensions | |
| Width | 35 mm |
| Height | 117 mm |
| Depth | 75 mm |
| Weights | |
| Weight, approx. | 80 g |
| last modified: | 12/16/2020  |