

SIPLUS ET 200SP -40 ... +60 GRAD C WITH CONFORMAL COATING BASEDON 6ES7545-5DA00-0AB0 . CM PROFIBUS DP FUER ET 200SP CPU MODUL M.PROFIBUS-DP-SCHNITTST. (9-POLIG SUB-D BUCHSE) DP-MASTER FUER 125 DP-SLAVES



| General information | |
|-------------------------------------|--------------------------|
| Product type designation | ET 200SP, CM DP |
| Installation type/mounting | |
| Rack mounting | No |
| Rail mounting | Yes; Standard - DIN rail |
| 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 |
| Interfaces | |
| Number of PROFIBUS interfaces | 1 |
| 1. Interface | |
| Interface types | |
| • RS 485 | Yes |
| Functionality | |
| • PROFIBUS DP master | Yes |

- PROFIBUS DP slave Yes
- SIMATIC communication Yes

Interface types

RS 485

- Transmission rate, max. 12 Mbit/s
- Cable length, max. 100 m

Protocols

PROFIBUS DP master

Services

- PG/OP communication Yes
- S7 routing Yes
- Data record routing Yes
- Isochronous mode No
- Equidistance No
- Number of DP slaves 125
- Activation/deactivation of DP slaves Yes

PROFIBUS DP slave

- Transmission rate, max. 12 Mbit/s
- automatic baud rate search Yes
- Address area, max. 120
- User data per address area, max. 128 byte

Services

- PG/OP communication Yes; Only with active interface
- Routing Yes; Only with active interface
- S7 communication Yes; Only with active interface
- Direct data exchange (slave-to-slave communication) Yes; No subscriber possible - only passive publisher
- DPV1 Yes

Transfer memory

- Inputs 244 byte
- Outputs 244 byte

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. -40 °C; = Tmin; Startup @ -25 °C

| | |
|---|---|
| <ul style="list-style-type: none"> • horizontal installation, max. • vertical installation, min. • vertical installation, max. | <p>60 °C; = Tmax</p> <p>-40 °C; = Tmin; Startup @ -25 °C</p> <p>50 °C; = Tmax</p> |
| Extended ambient conditions | |
| <ul style="list-style-type: none"> • relative to ambient temperature-atmospheric pressure-installation altitude | <p>Tmin ... Tmax at 1080 hPa ... 795 hPa (-1000 m ... +2000 m) // Tmin ... (Tmax - 10K) at 795 hPa ... 658 hPa (+2000 m ... +3500 m) // Tmin ... (Tmax - 20K) at 658 hPa ... 540 hPa (+3500 m ... +5000 m)</p> |
| Relative humidity | |
| <ul style="list-style-type: none"> — With condensation, tested in accordance with IEC 60068-2-38, max. | <p>100 %; RH incl. condensation/frost (no commissioning under condensation conditions)</p> |
| Resistance | |
| <ul style="list-style-type: none"> — against biologically active substances / conformity with EN 60721-3-3 — against chemically active substances / conformity with EN 60721-3-3 — against mechanically active substances / conformity with EN 60721-3-3 | <p>Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request</p> <p>Yes; Class 3C4 (RH < 75%) incl. salt spray according to EN 60068-2-52 (degree of severity 3). The supplied connector covers must remain on the unused interfaces during operation!</p> <p>Yes; Class 3S4 incl. sand, dust. The supplied connector covers must remain on the unused interfaces during operation!</p> |
| Dimensions | |
| Width | 35 mm |
| Height | 117 mm |
| Depth | 75 mm |
| Weights | |
| Weight, approx. | 80 g |
| last modified: | 06/05/2017 |