



SIPLUS ET200S EM 8 DO DC24V/0.5 -25 ... +70 DEGREES C BASED ON 6ES7132-4BF50-0AA0

| Supply voltage | |
|---|---|
| Reverse voltage protection | Yes ; when using the same correctly polarized load voltage as on the power module |
| Load voltage L+ | |
| Rated value (DC) | 24 V ; From power module |
| Reverse polarity protection | Yes |
| Input current | |
| from load voltage L+ (without load), max. | 5 mA |
| from backplane bus 3.3 V DC, max. | 10 mA |
| Power loss | |
| Power loss, typ. | 1.5 W |
| Address area | |
| Address space per module | |
| without packing | 1 byte |
| Digital outputs | |
| Number of digital outputs | 8 |
| Short-circuit protection | Yes |
| Response threshold, typ. | 1,5 A |
| Limitation of inductive shutdown voltage to | Typ. 47 V |

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|--|------------------|
| Controlling a digital input | Yes |
| Switching capacity of the outputs | |
| Lamp load, max. | 5 W |
| Load resistance range | |
| lower limit | 48 Ω |
| upper limit | 3400 Ω |
| Output voltage | |
| for signal "1", min. | Max. 1 V |
| Output current | |
| for signal "1" rated value | 0.5 A |
| for signal "1" permissible range for 0 to 60 °C, min. | 5 mA |
| for signal "1" permissible range for 0 to 60 °C, max. | 700 mA |
| for signal "0" residual current, max. | 5 μ A |
| Output delay with resistive load | |
| "0" to "1", max. | 300 μ s |
| "1" to "0", max. | 600 μ s |
| Parallel switching of 2 outputs | |
| for uprating | No |
| for redundant control of a load | Yes ; per module |
| Switching frequency | |
| with resistive load, max. | 100 Hz |
| with inductive load, max. | 0.5 Hz |
| on lamp load, max. | 10 Hz |
| Total current of the outputs (per group) | |
| all mounting positions | |
| up to 60 °C, max. | 4 A |
| Cable length | |
| Cable length, shielded, max. | 1000 m |
| Cable length unshielded, max. | 600 m |
| Isochronous mode | |
| Isochronous mode (application synchronized up to terminal) | Yes |
| Interrupts/diagnostics/status information | |
| Diagnostic messages | |
| Diagnostic functions | No |
| Diagnostics indication LED | |
| Status indicator digital output (green) | Yes |
| Parameter | |
| Remark | 3 byte |

| | |
|---|---|
| Galvanic isolation | |
| Galvanic isolation digital outputs | |
| between the channels | No |
| between the channels and the backplane bus | Yes |
| Isolation | |
| Isolation tested with | 500 V DC |
| Ambient conditions | |
| Extended ambient conditions | |
| relative to ambient temperature-atmospheric pressure-installation altitude | 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) |
| Relative humidity | |
| with condensation, tested in accordance with IEC 60068-2-38, maximum | 100 % ; RH incl. condensation/frost (no commissioning under condensation conditions) |
| Resistance | |
| to biologically active substances/conformity with EN 60721-3-3 | Yes ; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna). The supplied connector covers must remain on the unused interfaces during operation! |
| to chemically active substances/conformity with EN 60721-3-3 | 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! |
| to mechanically active substances/conformity with EN 60721-3-3 | Yes ; Class 3S4 incl. sand, dust. The supplied connector covers must remain on the unused interfaces during operation! |
| Mechanical and climatic conditions during operation | |
| Climatic conditions in operation | |
| Temperature | |
| min. | -25 °C ; = Tmin |
| max. | 70 °C ; = Tmax |
| Dimensions | |
| Width | 15 mm |
| Height | 81 mm |
| Depth | 52 mm |
| Weights | |
| Weight, approx. | 40 g |
| Status | Jul 28, 2014 |