



SIPLUS ET200S EM 8 DI -25 ... +70 DEGREES C BASED ON 6ES7131-4BF00-0AA0

| Supply voltage | |
|--|----------------------------------|
| 24 V DC | Yes |
| permissible range, lower limit (DC) | 20.4 V |
| permissible range, upper limit (DC) | 28.8 V |
| Reverse polarity protection | Yes |
| Input current | |
| from backplane bus 3.3 V DC, max. | 10 mA |
| from supply voltage L+, max. | Dependent on encoder |
| Encoder supply | |
| Number of outputs | 0 ; no encoder supply |
| Power losses | |
| Power loss, typ. | 1.2 W |
| Address area | |
| Address space per module | |
| without packing | 1 byte |
| Digital inputs | |
| Number/binary inputs | 8 |
| Input characteristic curve acc. to IEC 61131, Type 1 | Yes ; 2-wire sensors connectable |

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|--|--|
| Number of simultaneously controllable inputs | 8 |
| Input voltage | |
| Type of input voltage | DC |
| Rated value, DC | 24 V |
| for signal "0" | -30 to +5 V |
| for signal "1" | 15 to 30 V |
| Input current | |
| for signal "1", typ. | 5 mA |
| Input delay (for rated value of input voltage) | |
| for standard inputs | |
| Parameterizable | No |
| at "0" to "1", min. | 2 ms |
| at "0" to "1", max. | 4.5 ms |
| at "1" to "0", min. | 2 ms |
| at "1" to "0", max. | 4.5 ms |
| Cable length | |
| Cable length, shielded, max. | 1000 m |
| Cable length unshielded, max. | 600 m |
| Encoder | |
| Connectable encoders | |
| 2-wire sensor | Yes |
| Permissible quiescent current (2-wire sensor), max. | 1.5 mA |
| Isochronous mode | |
| Isochronous operation (application synchronized up to terminal) | Yes ; TWE = 3000 us |
| Interrupts/diagnostics/status information | |
| Diagnostic messages | |
| Diagnostic functions | No |
| Diagnostics indication LED | |
| Status indicator digital input (green) | Yes |
| Parameter | |
| Remark | 3-byte parameter (not accessible for the user) |
| Galvanic isolation | |
| Galvanic isolation digital inputs | |
| between the channels | No |
| between the channels and the backplane bus | Yes |
| Permissible potential difference | |
| between different circuits | 75 VDC / 60 VAC |

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| Isolation | |
| Isolation checked with | 500 V DC |
| Standards, approvals, certificates | |
| CE mark | Yes |
| Ambient conditions | |
| Extended ambient conditions | |
| Relative humidity | |
| with condensation / maximum | 100 % ; incl. condensation / frost permitted (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 in corrosive atmospheres! |
| to chemically active substances / conformity with EN 60721-3-3 | Yes ; Class 3C4 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 |
| Weight | |
| Weight, approx. | 35 g |
| Status | Jul 22, 2013 |