

SIPLUS ET 200S 2DO HF (1 PU=5 units) -25...+60 °C based on 6ES7132-4BB01-0AB0



| Supply voltage | |
|---|--|
| Reverse voltage protection | Yes; when using the same load voltage as on the power module |
| Load voltage L+ | |
| <ul style="list-style-type: none"> Rated value (DC) | 24 V; From power module |
| <ul style="list-style-type: none"> Reverse polarity protection | Yes; polarity reversal can lead to the digital outputs being connected through |
| Input current | |
| from load voltage L+ (without load), max. | 5 mA; Per channel |
| from backplane bus 3.3 V DC, max. | 10 mA |
| Power loss | |
| Power loss, typ. | 0.4 W |
| Address area | |
| Address space per module | |
| <ul style="list-style-type: none"> with packing | 2 bit |
| <ul style="list-style-type: none"> without packing | 1 byte |
| Digital outputs | |
| Number of digital outputs | 2 |

| | |
|---|--------------------------|
| Short-circuit protection | Yes |
| • Response threshold, typ. | 1.5 A |
| Limitation of inductive shutdown voltage to | -55 to -60 V, typ. L+() |
| Controlling a digital input | Yes |
| Switching capacity of the outputs | |
| • on lamp load, max. | 2.5 W |
| Load resistance range | |
| • lower limit | 48 Ω |
| • upper limit | 3 400 Ω |
| Output voltage | |
| • for signal "1", min. | L+ (-1 V) |
| Output current | |
| • for signal "1" rated value | 0.5 A |
| • for signal "1" permissible range, min. | 7 mA |
| • for signal "1" permissible range, max. | 600 mA |
| • for signal "0" residual current, max. | 0.3 mA |
| Output delay with resistive load | |
| • "0" to "1", max. | 100 μs |
| • "1" to "0", max. | 400 μs |
| Parallel switching of two 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. | 2 Hz |
| • on lamp load, max. | 10 Hz |
| Total current of the outputs | |
| • Current per module, max. | 1 A |
| Cable length | |
| • shielded, max. | 1 000 m |
| • unshielded, max. | 600 m |
| Isochronous mode | |
| Isochronous operation (application synchronized up to terminal) | Yes |
| Interrupts/diagnostics/status information | |
| Diagnostic functions | Yes; Can be read out |
| Substitute values connectable | Yes; 0/1 |
| Diagnostic messages | |
| • Wire-break | Yes; channel by channel |
| • Short-circuit | Yes; channel by channel |
| Diagnostics indication LED | |

- Group error SF (red) Yes
- Status indicator digital output (green) Yes

| Parameter | |
|-----------------------------|------------------------------------|
| Remark | 3 byte |
| Diagnostics wire break | Disable / enable |
| Diagnostics short-circuit | Disable / enable |
| Response to CPU/master STOP | Substitute a value/keep last value |

| Potential separation | |
|--|-----|
| Potential separation digital outputs | |
| • between the channels | No |
| • between the channels and backplane bus | Yes |

| Isolation | |
|-----------------------|----------|
| Isolation tested with | 500 V DC |

| Ambient conditions | |
|--------------------------------------|----------------|
| Ambient temperature during operation | |
| • min. | -25 °C; = Tmin |
| • max. | 60 °C; = Tmax |

| Altitude during operation relating to sea level | |
|--|---|
| • Installation altitude above sea level, max. | 5 000 m |
| • Ambient air temperature-barometric pressure-altitude | Tmin ... Tmax at 1 140 hPa ... 795 hPa (-1 000 m ... +2 000 m) // Tmin ... (Tmax - 10 K) at 795 hPa ... 658 hPa (+2 000 m ... +3 500 m) // Tmin ... (Tmax -20 K) at 658 hPa ... 540 hPa (+3 500 m ... +5 000 m) |

| Relative humidity | |
|---|---|
| • With condensation, tested in accordance with IEC 60068-2-38, max. | 100 %; RH incl. condensation/frost (no commissioning under condensation conditions) |

| Resistance | |
|---|--|
| Use in stationary industrial systems | |
| — to biologically active substances according to EN 60721-3-3 | Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request |
| — to chemically active substances according to EN 60721-3-3 | Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); * |
| — to mechanically active substances according to EN 60721-3-3 | Yes; Class 3S4 incl. sand, dust, * |

| | |
|---|--|
| Use on ships/at sea | |
| — to biologically active substances according to EN 60721-3-6 | Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request |
| — to chemically active substances according to EN 60721-3-6 | Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); * |
| — to mechanically active substances according to EN 60721-3-6 | Yes; Class 6S3 incl. sand, dust; * |

from supply voltage 1L+

— Note regarding classification of environmental conditions acc. to EN 60721

* The supplied plug covers must remain in place over the unused interfaces during operation!

Dimensions

| | |
|--------|-------|
| Width | 15 mm |
| Height | 81 mm |
| Depth | 52 mm |

Weights

| | |
|-----------------|------|
| Weight, approx. | 40 g |
|-----------------|------|

last modified: 05/18/2018