



SIMATIC DP, 1 ELECTRON. MODULES FOR ET 200S, 8 DO SINK OUTPUT, DC24V/0,5A, 15 MM WIDTH, 1 PIECES PER PACKAGING UNIT

Supply voltage

| | |
|----------------------------|--|
| Reverse voltage protection | Yes; when using the same correctly polarized load voltage as on the power module |
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Load voltage L+

- | | |
|---|---|
| <ul style="list-style-type: none"> Rated value (DC) Reverse polarity protection | <p>24 V; From power module</p> <p>Yes</p> |
|---|---|

Input current

| | |
|---|-------|
| from load voltage L+ (without load), max. | 5 mA |
| from backplane bus 3.3 V DC, max. | 10 mA |

Power losses

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|------------------|-------|
| Power loss, typ. | 1.5 W |
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Address area

| | |
|---|--------|
| Address space per module | |
| <ul style="list-style-type: none"> without packing | 1 byte |

Digital outputs

| | |
|--|-----------|
| Number of digital outputs | 8 |
| short-circuit protection | Yes |
| <ul style="list-style-type: none"> Response threshold, typ. | 1,5 A |
| Limitation of inductive shutdown voltage to | Typ. 47 V |
| Controlling a digital input | Yes |

Switching capacity of the outputs

- | | |
|--|-----|
| <ul style="list-style-type: none"> on lamp load, max. | 5 W |
|--|-----|

Load resistance range

- | | |
|---|-------------|
| <ul style="list-style-type: none"> lower limit | 48 Ω |
|---|-------------|

| | |
|---|-----------------|
| • upper limit | 3 400 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 μA |
| Output delay with resistive load | |
| • "0" to "1", max. | 300 μs |
| • "1" to "0", max. | 600 μs |
| Parallel switching of 2 outputs | |
| • for increased power | 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 |
| Aggregate current of outputs (per group) | |
| all mounting positions | |
| — up to 60 °C, max. | 4 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 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

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| Isolation checked with | 500 V DC |
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Dimensions

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

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

last modified: 12.03.2015