

SIMATIC DP, 5 ELECTRON. MODULES FOR ET 200S, 4 DO
STANDARD DC 24V/0.5A, 15 MM WIDTH, 5 PIECES PER
PACKAGING UNIT



| 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) Reverse polarity protection | 24 V; From power module Yes; polarity reversal can lead to the digital outputs being connected through |
| Input current | |
| from load voltage L+ (without load), max. | 10 mA; Per channel |
| from backplane bus 3.3 V DC, max. | 10 mA |
| Power loss | |
| Power loss, typ. | 0.8 W |
| Address area | |
| Address space per module | |
| <ul style="list-style-type: none"> with packing without packing | 4 bit 1 byte |
| Digital outputs | |
| Number of digital outputs | 4 |

| | |
|---|-------------------|
| Short-circuit protection | Yes |
| • Response threshold, typ. | 1 to 1.5 A |
| Limitation of inductive shutdown voltage to | (L+) -55 to -60 V |
| Controlling a digital input | Yes |
| Switching capacity of the outputs | |
| • on lamp load, max. | 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. | 50 μ s |
| • "1" to "0", max. | 120 μ s |
| Parallel switching of two outputs | |
| • for uprating | No |
| • for redundant control of a load | Yes; per module |
| Switching frequency | |
| • with resistive load, max. | 800 Hz |
| • with inductive load, max. | 2 Hz |
| • on lamp load, max. | 10 Hz |
| Total current of the outputs | |
| • Current per module, max. | 2 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 | No |
| Diagnostics indication LED | |
| • Status indicator digital output (green) | Yes |
| Parameter | |
| Remark | 1 byte |
| Potential separation | |

Potential separation digital outputs

- | | |
|--|-----|
| • between the channels | No |
| • between the channels and backplane bus | Yes |

Isolation

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

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

Weights

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

last modified: 03/07/2017