




SIMATIC DP, 5 electronic modules for ET 200S, 4 DO High Feature 24 V DC/2 A, 15 mm width, Short-circuit diagnostics, SF LED 5 units per packing unit

Figure similar

| 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. | 5 mA; Per channel |
| from backplane bus 3.3 V DC, max. | 10 mA |
| Power loss | |
| Power loss, typ. | 1.6 W |
| Address area | |
| Address space per module | |
| <ul style="list-style-type: none"> Address space per module, max. with packing | 1 byte 4 bit |
| Digital outputs | |
| Type of digital output | Transistor |
| Number of digital outputs | 4 |
| Short-circuit protection | Yes |
| <ul style="list-style-type: none"> Response threshold, typ. | 5 to 10 A |
| Limitation of inductive shutdown voltage to | L+ (-37 to 41V) |
| Controlling a digital input | Yes |
| Load resistance range | |
| <ul style="list-style-type: none"> lower limit upper limit | 12 Ω 3 400 Ω |
| Output voltage | |
| <ul style="list-style-type: none"> for signal "1", min. | L+ (-1.0 V) |
| Output current | |
| <ul style="list-style-type: none"> for signal "1" rated value for signal "1" permissible range, min. for signal "1" permissible range, max. for signal "0" residual current, max. | 2 A 7 mA 2.4 A 0.5 mA |
| Output delay with resistive load | |
| <ul style="list-style-type: none"> "0" to "1", max. "1" to "0", max. | 250 μs 400 μs |
| Parallel switching of two outputs | |
| <ul style="list-style-type: none"> for uprating for redundant control of a load | No Yes; per module |

| | |
|---|--|
| Switching frequency | |
| <ul style="list-style-type: none"> with resistive load, max. | 100 Hz |
| <ul style="list-style-type: none"> with inductive load, max. | 2 Hz |
| <ul style="list-style-type: none"> on lamp load, max. | 10 Hz |
| Total current of the outputs | |
| <ul style="list-style-type: none"> Current per module, max. | 4 A |
| Cable length | |
| <ul style="list-style-type: none"> shielded, max. | 1 000 m |
| <ul style="list-style-type: none"> unshielded, max. | 600 m |
| Interrupts/diagnostics/status information | |
| Diagnostics function | Yes |
| Diagnoses | |
| <ul style="list-style-type: none"> Short-circuit | Yes; Module-wise |
| Diagnostics indication LED | |
| <ul style="list-style-type: none"> Group error SF (red) | Yes; SF-LED (red) |
| <ul style="list-style-type: none"> Status indicator digital output (green) | Yes; Per channel |
| Potential separation | |
| Potential separation digital outputs | |
| <ul style="list-style-type: none"> between the channels | No |
| <ul style="list-style-type: none"> between the channels and backplane bus | Yes |
| Isolation | |
| Isolation tested with | 500 V DC |
| Dimensions | |
| Width | 15 mm |
| Height | 81 mm |
| Depth | 52 mm |
| Weights | |
| Weight, approx. | 40 g |
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