

SIMATIC DP, 5 ELECTRON. MODULES FOR ET 200S, 2 DO HIGH FEATURE 24V DC, 15 MM WIDTH DIAGNOSIS F. SHORT-CIRCUIT AND OPEN-CIRCUIT, FIRST-UP SIGNAL WITH LED SF (GROUP FAULT), 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. | 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 without packing | 2 bit 1 byte |
| Digital outputs | |
| Number of digital outputs | 2 |

| | |
|---|-------------------------|
| Short-circuit protection | Yes |
| • Response threshold, typ. | 1,5 A |
| 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 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 2 outputs | |
| • 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 | |
| Substitute values connectable | Yes; 0/1 |
| Diagnostic messages | |
| • Diagnostic functions | Yes |
| • Diagnostic information readable | Yes |
| • 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 |
| Behavior on CPU/Master STOP | Substitute a value/keep last value |

Potential separation

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

Isolation

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| Isolation tested with | 500 V DC |
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Dimensions

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

Weights

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|-----------------|------|
| Weight, approx. | 40 g |
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last modified: 17.07.2015