

SIMATIC DP, 5 electronic modules for ET 200S, 4 DO standard 24 V DC/2 A, 15 mm width, 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"> <li>Rated value (DC)</li> </ul>               | 24 V; From power module                                      |
| <ul style="list-style-type: none"> <li>Reverse polarity protection</li> </ul>    | Yes  |
| 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.   | 1.6 W  |
| Address area   |  |
| Address space per module   |  |
| <ul style="list-style-type: none"> <li>Address space per module, max.</li> </ul> | 1 byte   |
| <ul style="list-style-type: none"> <li>with packing</li> </ul>                   | 4 bit  |
| Digital outputs  |  |
| Type of digital output   | Source output (PNP, current-sourcing)                        |

|  |                        |
|--|------------------------|
| Number of digital outputs                        | 4                      |
| Short-circuit protection                         | Yes                    |
| • Response threshold, typ.                       | 2.8 to 7.2 A           |
| Limitation of inductive shutdown voltage to      | Typ. L+ (-55 to -60 V) |
| Controlling a digital input                      | Yes                    |
| <b>Switching capacity of the outputs</b>         |                        |
| • on lamp load, max.                             | 10 W                   |
| <b>Load resistance range</b>                     |                        |
| • lower limit                                    | 12 Ω                   |
| • upper limit                                    | 3 400 Ω                |
| <b>Output voltage</b>                            |                        |
| • for signal "1", min.                           | L+ (-1.0 V)            |
| <b>Output current</b>                            |                        |
| • for signal "1" rated value                     | 2 A                    |
| • for signal "1" permissible range, min.         | 7 mA                   |
| • for signal "1" permissible range, max.         | 2.4 A                  |
| • for signal "0" residual current, max.          | 0.1 mA                 |
| <b>Output delay with resistive load</b>          |                        |
| • "0" to "1", max.                               | 50 μs; Typ. 45 μs      |
| • "1" to "0", max.                               | 120 μs; Typ. 90 μs     |
| <b>Parallel switching of two outputs</b>         |                        |
| • for uprating                                   | No                     |
| • for redundant control of a load                | Yes; per module        |
| <b>Switching frequency</b>                       |                        |
| • with resistive load, max.                      | 1 000 Hz               |
| • with inductive load, max.                      | 2 Hz; At 0.5 H         |
| • on lamp load, max.                             | 10 Hz                  |
| <b>Total current of the outputs</b>              |                        |
| • Current per module, max.                       | 4 A                    |
| <b>Cable length</b>                              |                        |
| • shielded, max.                                 | 1 000 m                |
| • unshielded, max.                               | 600 m                  |
| <b>Interrupts/diagnostics/status information</b> |                        |
| Diagnostics function                             | No                     |
| <b>Diagnostics indication LED</b>                |                        |
| • Status indicator digital output (green)        | Yes                    |
| <b>Parameter</b>                                 |                        |
| Remark   | 1 byte                 |
| <b>Potential separation</b>                      |                        |
| <b>Potential separation digital outputs</b>      |                        |
| • between the channels                           | No                     |

- 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

**last modified:**

01/22/2020