



Figure similar

SIMATIC DP, 5 electronic modules for ET 200S, 2 DO 24...230 V AC 15 mm width, 5 units per packing unit

| Supply voltage                              |                                                              |
|---------------------------------------------|--------------------------------------------------------------|
| Reverse voltage protection                  | Yes; when using the same load voltage as on the power module |
| Load voltage L1                             |                                                              |
| • permissible range, lower limit (AC)       | 24 V; From power module                                      |
| • permissible range, upper limit (AC)       | 230 V                                                        |
| • permissible frequency range, lower limit  | 47 Hz                                                        |
| • permissible frequency range, upper limit  | 63 Hz                                                        |
| Input current                               |                                                              |
| from load voltage L1 (without load), max.   | 15 mA                                                        |
| from backplane bus 3.3 V DC, max.           | 18 mA                                                        |
| Power loss                                  |                                                              |
| Power loss, max.                            | 4 W                                                          |
| Address area                                |                                                              |
| Address space per module                    |                                                              |
| • Address space per module, max.            | 1 byte                                                       |
| • with packing                              | 2 bit                                                        |
| Digital outputs                             |                                                              |
| Type of digital output                      | Triac                                                        |
| Number of digital outputs                   | 2                                                            |
| Short-circuit protection                    | Yes                                                          |
| Limitation of inductive shutdown voltage to | -55 to -60 V                                                 |
| Controlling a digital input                 | Yes; possible                                                |
| Switching capacity of the outputs           |                                                              |
| • on lamp load, max.                        | 100 W                                                        |
| Output voltage                              |                                                              |
| • for signal "1", min.                      | L+ (-1.5 V)                                                  |
| Output current                              |                                                              |
| • for signal "1" rated value                | 2 A                                                          |
| • for signal "1" permissible range, min.    | 0.1 mA                                                       |
| • for signal "1" permissible range, max.    | 2.2 A                                                        |
| • for signal "0" residual current, max.     | 3 mA                                                         |
| Output delay with resistive load            |                                                              |
| • "0" to "1", max.                          | 15 ms                                                        |
| • "1" to "0", max.                          | 15 ms                                                        |
| Parallel switching of two outputs           |                                                              |
| • for uprating                              | No                                                           |

|                                                  |                                                                                               |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------|
| • for redundant control of a load                | Yes                                                                                           |
| <b>Switching frequency</b>                       |                                                                                               |
| • with resistive load, max.                      | 10 Hz                                                                                         |
| • with inductive load, max.                      | 0.5 Hz                                                                                        |
| • on lamp load, max.                             | 1 Hz                                                                                          |
| <b>Total current of the outputs</b>              |                                                                                               |
| • Current per module, max.                       | 2 A; note derating data in the manual                                                         |
| <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                                           | 3 byte                                                                                        |
| Response to CPU/master STOP                      | Substitute a value/keep last value, 0/1                                                       |
| <b>Potential separation</b>                      |                                                                                               |
| <b>Potential separation digital outputs</b>      |                                                                                               |
| • between the channels                           | No                                                                                            |
| • between the channels and backplane bus         | Yes                                                                                           |
| <b>Isolation</b>                                 |                                                                                               |
| Isolation tested with                            | 2 500 V DC                                                                                    |
| <b>Dimensions</b>                                |                                                                                               |
| Width                                            | 15 mm                                                                                         |
| Height                                           | 81 mm                                                                                         |
| Depth                                            | 52 mm                                                                                         |
| <b>Weights</b>                                   |                                                                                               |
| Weight, approx.                                  | 37 g                                                                                          |
| <b>last modified:</b>                            | 1/16/2021  |