# SIEMENS

SIMATIC DP, 5 ELECTRON. MODULES FOR ET 200S, 2 DO
24...230V AC, 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 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; Per channel |
| from backplane bus 3.3 V DC, max. | 18 mA |

| Power loss | |
|---|---|
| Power loss, max. | 4 W |

| Address area | |
|---|---|
| Address space per module | |
| • with packing | 2 bit |
| • without packing | 1 byte |

| Digital outputs | |
|---|---|
| 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; per module |
| **Switching frequency** | |
| • with resistive load, max. | 10 Hz |
| • with inductive load, max. | 0.5 Hz |
| • on lamp load, max. | 1 Hz |
| **Total current of the outputs** | |
| • Current per module, max. | 2 A; Note derating data in the manual |
| **Cable length** | |
| • shielded, max. | 1 000 m |
| • unshielded, max. | 600 m |

## Interrupts/diagnostics/status information

| | |
|---|---|
| Diagnostic functions | No |
| **Diagnostics indication LED** | |
| • Status indicator digital output (green) | Yes |

## Parameter

| | |
|---|---|
| Remark | 3 byte |
| Behavior on CPU/Master STOP | Substitute a value/keep last value, 0/1 |

## Potential separation

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

## Isolation

| | |
|---|---|
| Isolation tested with | 2500 V DC |

## Dimensions

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

## Weights

| | |
|---|---|
| Weight, approx. | 37 g |
| | |
| **last modified:** | 14.05.2016 |