SIEMENS

## Data sheet 6ES7222-1BD30-0XB0

SIMATIC S7-1200, DIGITAL OUTPUT SB 1222, 4DQ, 24VDC 200KHZ



Figure similar

| | |
|---|---|
| **Input current** | |
| from backplane bus 5 V DC, typ. | 50 mA |
| **Output voltage** | |
| Power supply to the transmitters | |
| • Supply current, max. | 4 mA; per channel |
| **Power loss** | |
| Power loss, typ. | 1 W |
| **Digital inputs** | |
| Number of digital inputs | 0 |
| **Digital outputs** | |
| Number of digital outputs | 4; MOSFET, solid-state (current-sinking/current-sourcing) |
| • in groups of | 1 |
| Short-circuit protection | No |
| Switching capacity of the outputs | |
| • with resistive load, max. | 0.1 A |
| Load resistance range | |
| • upper limit | 10 Ω |


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| | |
|---|---|
| Output voltage | |
| • Rated value (DC) | 24 V |
| • for signal "0", max. | 0.1 V; with 10 kOhm load |
| • for signal "1", min. | 20 V |
| Output current | |
| • for signal "1" rated value | 0.1 A |
| • for signal "0" residual current, max. | 10 µA |
| Cable length | |
| • shielded, max. | 50 m |

## Interrupts/diagnostics/status information

| | |
|---|---|
| Alarms | |
| • Alarms | Yes |
| Diagnostic messages | |
| • Diagnostic functions | Yes |
| Diagnostics indication LED | |
| • for status of the outputs | Yes |

## Degree and class of protection

| | |
|---|---|
| Degree of protection acc. to EN 60529 | |
| • IP20 | Yes |

## Ambient conditions

| | |
|---|---|
| Free fall | |
| • Fall height, max. | 0.3 m; five times, in dispatch package |
| Ambient temperature during operation | |
| • permissible temperature range | -20 °C to +60 °C horizontal mounting, -20 °C to 50 °C vertical mounting, 95% humidity, non-condensing |
| • min. | -20 °C |
| • max. | 60 °C |
| Ambient temperature during storage/transportation | |
| • min. | -40 °C |
| • max. | 70 °C |
| Air pressure acc. to IEC 60068-2-13 | |
| • Storage/transport, min. | 660 hPa |
| • Storage/transport, max. | 1 080 hPa |
| Relative humidity | |
| • permissible range (without condensation) at 25 °C | 95 % |

## Mechanics/material

| | |
|---|---|
| Enclosure material (front) | |
| • Plastic | Yes |

## Dimensions


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| | |
|---|---|
| Width | 38 mm |
| Height | 62 mm |
| Depth | 21 mm |

| Weights | |
|---|---|
| Weight, approx. | 40 g |

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