

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



Figure similar

|  |   |
|--|---|
| <b>Input current</b>                     |   |
| from backplane bus 5 V DC, typ.          | 50 mA   |
| <b>Output voltage</b>                    |   |
| Power supply to the transmitters         |   |
| • Supply current, max.                   | 4 mA; per channel   |
| <b>Power loss</b>                        |   |
| Power loss, typ.                         | 1 W   |
| <b>Digital inputs</b>                    |   |
| Number of digital inputs                 | 0   |
| <b>Digital outputs</b>                   |   |
| Number of digital outputs                | 4; MOSFET, solid-state (current-sinking/current-sourcing) |
| • in groups of                           | 1   |
| short-circuit protection                 | No  |
| <b>Switching capacity of the outputs</b> |   |
| • with resistive load, max.              | 0.1 A   |
| <b>Load resistance range</b>             |   |
| • upper limit                            | 10 $\Omega$   |
| <b>Output voltage</b>                    |   |
| • Rated value (DC)                       | 24 V  |
| • for signal "0", max.                   | 0.1 V; with 10 kOhm load                                  |
| • for signal "1", min.                   | 20 V  |
| <b>Output current</b>                    |   |
| • for signal "1" rated value             | 0.1 A   |

|  |   |
|--|---|
| • for signal "0" residual current, max.                  | 10 µA   |
| <b>Cable length</b>                                      |   |
| • shielded, max.   | 50 m  |
| <b>Interrupts/diagnostics/status information</b>         |   |
| <b>Alarms</b>  |   |
| • Alarms   | Yes   |
| <b>Diagnostic messages</b>                               |   |
| • Diagnostic functions                                   | Yes   |
| <b>Diagnostics indication LED</b>                        |   |
| • for status of the outputs                              | Yes   |
| <b>Degree and class of protection</b>                    |   |
| Degree of protection acc. to EN 60529                    |   |
| • IP20   | Yes   |
| <b>Standards, approvals, certificates</b>                |   |
| <b>Marine approval</b>                                   |   |
| • Germanischer Lloyd (GL)                                | Yes   |
| <b>Ambient conditions</b>                                |   |
| <b>Free fall</b>   |   |
| • Drop height, max. (in packaging)                       | 0.3 m; five times, in dispatch package  |
| <b>Ambient temperature during operation</b>              |   |
| • 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   |
| <b>Ambient temperature during storage/transportation</b> |   |
| • min.   | -40 °C  |
| • max.   | 70 °C   |
| <b>Air pressure acc. to IEC 60068-2-13</b>               |   |
| • Storage/transport, min.                                | 660 hPa   |
| • Storage/transport, max.                                | 1 080 hPa   |
| <b>Relative humidity</b>                                 |   |
| • permissible range (without condensation) at 25 °C      | 95 %  |
| <b>Mechanics/material</b>                                |   |
| <b>Type of housing (front)</b>                           |   |
| • plastic  | Yes   |
| <b>Dimensions</b>  |   |
| Width  | 38 mm   |
| Height   | 62 mm   |
| Depth  | 21 mm   |

## Weights

Weight, approx.

40 g

**last modified:**

29.05.2015