SIEMENS

## Data sheet 6ES7222-1AD30-0XB0

Siemens EcoTech

SIMATIC S7-1200, Digital output SB 1222, 4 DQ, 5V DC 200kHz



Figure similar

| | |
|---|---|
| **General information** | |
| Product type designation | SB 1222, DQ 4x5 V DC 200 kHz |
| **Input current** | |
| from backplane bus 5 V DC, typ. | 35 mA |
| **Power loss** | |
| Power loss, typ. | 0.5 W |
| **Digital outputs** | |
| Number of digital outputs | 4; MOSFET, solid-state (current-sinking/current-sourcing) |
| ● in groups of | 4 |
| Short-circuit protection | No |
| Switching capacity of the outputs | |
| ● with resistive load, max. | 0.1 A |
| Output voltage | |
| ● Rated value (DC) | 5 V |
| ● for signal "0", max. | 0.2 V |
| ● for signal "1", min. | L+ minus 0.7 V DC |
| ● for signal "1", max. | 6 V |
| Output current | |
| ● for signal "1" rated value | 0.1 A |
| ● for signal "1" permissible range, max. | 0.1 A |
| Cable length | |
| ● shielded, max. | 50 m |
| **Interrupts/diagnostics/status information** | |
| Diagnostics indication LED | |
| ● for status of the outputs | Yes |
| **Standards, approvals, certificates** | |
| CE mark | Yes |
| CSA approval | Yes |
| UL approval | Yes |
| cULus | Yes |
| FM approval | Yes |
| RCM (formerly C-TICK) | Yes |
| KC approval | Yes |
| Marine approval | Yes |
| **Ambient conditions** | |


Subject to change without notice
© Copyright Siemes

| | |
|---|---|
| Free fall | |
| ● Fall height, max. | 0.3 m; five times, in product package |
| Ambient temperature during operation | |
| ● min. | -20 °C |
| ● max. | 60 °C |
| ● horizontal installation, min. | -20 °C |
| ● horizontal installation, max. | 60 °C |
| ● vertical installation, min. | -20 °C |
| ● vertical installation, max. | 50 °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 | |
| ● Operation at 25 °C without condensation, max. | 95 % |
| **Mechanics/material** | |
| Enclosure material (front) | |
| ● Plastic | Yes |
| **Dimensions** | |
| Width | 38 mm |
| Height | 62 mm |
| Depth | 21 mm |
| **Weights** | |
| Weight, approx. | 35 g |

**Classifications**

| | Version | Classification |
|---|---|---|
| eClass | 16 | 27-24-22-04 |
| eClass | 14 | 27-24-22-04 |
| eClass | 12 | 27-24-22-04 |
| eClass | 9.1 | 27-24-22-04 |
| eClass | 9 | 27-24-22-04 |
| eClass | 8 | 27-24-22-04 |
| eClass | 7.1 | 27-24-22-04 |
| eClass | 6 | 27-24-22-04 |
| ETIM | 10 | EC001419 |
| ETIM | 9 | EC001419 |
| ETIM | 8 | EC001419 |
| ETIM | 7 | EC001419 |
| IDEA | 4 | 3566 |
| UNSPSC | 15 | 32-15-17-05 |

**Approvals / Certificates**

**General Product Approval**

Miscellaneous

Miscellaneous

**General Product Approval** | **EMV** | **Test Certificates**

Confirmation

Type Test Certific-ates/Test Report


© Copyright Siemes

| Maritime application | other |
|---|---|
| ABS, BUREAU VERITAS, DNV, LRS, RMRS | Miscellaneous |

| other | Dangerous goods | Environment |
|---|---|---|
| Confirmation | Transport Information | Environmental Confirmations |

Siemens EcoTech

EPD

**last modified:** 7/2/2025


Subject to change without notice
© Copyright Siemes