SIEMENS

## Data sheet 6ES7222-1BD22-0XA0




Figure similar

*** spare part *** SIMATIC S7-200, digital output EM 222, only for S7-22X CPU, 4 DQ, 4-24 V DC; 5 A/channel source

| | |
|---|---|
| **Supply voltage** | |
| Load voltage L+ | |
| ● Rated value (DC) | 24 V |
| ● permissible range, lower limit (DC) | 20.4 V |
| ● permissible range, upper limit (DC) | 28.8 V |
| **Input current** | |
| from backplane bus 5 V DC, max. | 40 mA |
| **Power loss** | |
| Power loss, typ. | 3 W |
| **Digital outputs** | |
| Number of digital outputs | 4 |
| Short-circuit protection | No |
| Limitation of inductive shutdown voltage to | L+ (-48 V) |
| Output voltage | |
| ● for signal "1", min. | 20 V DC |
| Output current | |
| ● for signal "1" rated value | 5 A |
| ● for signal "1" permissible range for 0 to 55 °C, max. | 5 A |
| ● for signal "0" residual current, max. | 30 µA |
| Total current of the outputs (per group) | |
| all mounting positions | |
| — up to 40 °C, max. | 20 A |
| — Current per conductor/group, max. | 5 A |
| horizontal installation | |
| — up to 55 °C, max. | 20 A |
| Relay outputs | |
| Switching capacity of contacts | |
| — with inductive load, max. | 5 A |
| — on lamp load, max. | 50 W |
| — with resistive load, max. | 5 A |
| Cable length | |
| ● shielded, max. | 500 m |
| ● unshielded, max. | 150 m |
| **Potential separation** | |
| Potential separation digital outputs | |
| ● Potential separation digital outputs | Yes |
| ● between the channels, in groups of | 1 |
| **Isolation** | |


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| | |
|---|---|
| Isolation tested with | 500 V AC |
| **Connection method** | |
| Plug-in I/O terminals | Yes |
| **Dimensions** | |
| Width | 45 mm |
| Height | 80 mm |
| Depth | 62 mm |
| **Weights** | |
| Weight, approx. | 120 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**

Manufacturer Declaration | Miscellaneous | China RoHS | Manufacturer Declaration

**For use in hazardous locations**

FM

**Maritime application**

**Maritime application**

CCS (China Classification Society)

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