SIEMENS

## Data sheet 6ES7322-1BP00-0AA0

*** spare part *** SIMATIC S7-300 digital output SM 322, isolated in groups of 16, 64 DO, 24 V DC, 0.3 A sinking output total current 2 A/group, 8 A/module terminal blocks 6ES7392-1.N00-0AA0 and cable 6ES7392-4...0-0AA0 required

| | |
|---|---|
| **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 load voltage L+ (without load), max. | 75 mA |
| from backplane bus 5 V DC, max. | 100 mA |
| **Power loss** | |
| Power loss, typ. | 6 W |
| **Digital outputs** | |
| Number of digital outputs | 64 |
| Short-circuit protection | Yes; Electronic |
| ● Response threshold, typ. | 0.7 to 1.9 A |
| Limitation of inductive shutdown voltage to | L+ (-53 V) |
| Controlling a digital input | Yes |
| Switching capacity of the outputs | |
| ● on lamp load, max. | 5 W |
| Load resistance range | |
| ● lower limit | 80 Ω |
| ● upper limit | 10 kΩ |
| Output voltage | |
| ● for signal "1", min. | L+ (-0.5 V) |
| Output current | |
| ● for signal "1" rated value | 0.3 A |
| ● for signal "1" permissible range, min. | 2.4 mA |
| ● for signal "1" permissible range, max. | 0.36 A |
| ● for signal "0" residual current, max. | 0.1 mA |
| Output delay with resistive load | |
| ● "0" to "1", max. | 550 µs |
| ● "1" to "0", max. | 550 µs |
| Parallel switching of two outputs | |
| ● for uprating | No |
| ● for redundant control of a load | Yes |
| Switching frequency | |
| ● with resistive load, max. | 100 Hz |
| ● with inductive load, max. | 0.5 Hz |
| ● on lamp load, max. | 10 Hz |
| Total current of the outputs (per group) | |
| horizontal installation | |
| — up to 40 °C, max. | 1.6 A |
| — up to 60 °C, max. | 1.2 A |
| vertical installation | |
| — up to 40 °C, max. | 1.6 A |
| Cable length | |
| ● shielded, max. | 1 000 m |
| ● unshielded, max. | 600 m |
| **Interrupts/diagnostics/status information** | |


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| | |
|---|---|
| Alarms | No |
| Diagnostics function | No |
| **Alarms** | |
| ● Diagnostic alarm | No |
| **Diagnoses** | |
| ● Diagnostic information readable | No |
| ● Wire break | No |
| ● Short-circuit | No |
| ● Fuse blown | No |
| ● Missing load voltage | No |
| **Potential separation** | |
| Potential separation digital outputs | |
| ● between the channels | No |
| ● between the channels, in groups of | 16 |
| ● between the channels and backplane bus | Yes; Optocoupler |
| **Isolation** | |
| Isolation tested with | 500 V DC |
| **Connection method** | |
| required front connector | Cable: 6ES7392-4Bxx0-0AA0 terminal blocks: 6ES7392-1xN00-0AA0 |
| **Dimensions** | |
| Width | 40 mm |
| Height | 125 mm |
| Depth | 112 mm |
| **Weights** | |
| Weight, approx. | 230 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












| General Product Approval | | EMV | | | For use in hazard-ous locations |
|---|---|---|---|---|---|
| China RoHS | Manufacturer Declara-tion | | | | |











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## For use in hazardous locations

FM

UL

IECEx

ATEX

Miscellaneous

CCC-Ex

## Maritime application

ABS

BUREAU VERITAS

DNV

LRS

NK / Nippon Kaiji Kyokai

PRS

## Maritime application

RINA

CCS (China Classification Society)

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