MANUFACTURER DOCUMENT PACKAGE

# Manufacturer's Manual

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SIMATIC S7-400

## 6ES7422-1BH11-0AA0

DIGITAL OUTPUT MODULE

OFFICIAL SOURCES

Siemens official product documentation. Selected pages retain their original content, color and aspect ratio.

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## Data sheet 6ES7422-1BH11-0AA0

SIMATIC S7-400, digital output SM 422, isolated 16 DO; 24 V DC, 2 A



Figure similar

| | |
|---|---|
| **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. | 30 mA |
| from backplane bus 5 V DC, max. | 160 mA |
| **Power loss** | |
| Power loss, typ. | 5 W |
| **Digital outputs** | |
| Number of digital outputs | 16 |
| Limitation of inductive shutdown voltage to | -30 V |
| Switching capacity of the outputs | |
| • on lamp load, max. | 10 W |
| Output voltage | |


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| | |
|---|---|
| • for signal "1", min. | L+ (-0.5 V) |
| Output current | |
| • for signal "1" rated value | 2 A |
| • for signal "1" permissible range, min. | 5 mA |
| • for signal "1" permissible range, max. | 2.4 A |
| • for signal "0" residual current, max. | 0.5 mA |
| Switching frequency | |
| • with resistive load, max. | 100 Hz |
| • with inductive load, max. | 0.1 Hz |
| Total current of the outputs (per group) | |
| all mounting positions | |
| — up to 60 °C, max. | 2 A; 2 adjacent outputs each |
| Cable length | |
| • shielded, max. | 1 000 m |
| • unshielded, max. | 600 m |

| Interrupts/diagnostics/status information | |
|---|---|
| Diagnostic functions | No |

| Potential separation | |
|---|---|
| Potential separation digital outputs | |
| • between the channels, in groups of | 8 |
| • between the channels and backplane bus | Yes |

| Isolation | |
|---|---|
| Isolation tested with | 500 V DC |

| Dimensions | |
|---|---|
| Width | 25 mm |
| Height | 290 mm |
| Depth | 210 mm |

| Weights | |
|---|---|
| Weight, approx. | 600 g |

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