

SIEMENS

Product data sheet

6ES7322-1BL00-0AA0


SIMATIC S7-300, DIGITAL OUTPUT SM 322,
OPTICALLY ISOLATED, 32DO, 24V DC, 0.5A,
1 X 40 PIN,
SUM OF OUTPUT CURRENTS 4A/GROUP
(16A/MODULE)

| 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. | 160 mA |
| from backplane bus 5 V DC, max. | 110 mA |
| Power losses | |
| Power loss, typ. | 6.6 W |
| Digital outputs | |
| Number/binary outputs | 32 |
| Limitation of inductive shutdown voltage to | L+ (-53 V) |
| Lamp load, max. | 5 W |
| Output voltage | |

| | |
|---|-------------|
| for signal "1", min. | L+ (-0.8 V) |
| Output current | |
| for signal "1" rated value | 0.5 A |
| for signal "1" permissible range for 0 to 40 °C, max. | 0.6 A |
| for signal "1" minimum load current | 5 mA |
| for signal "0" residual current, max. | 0.5 mA |
| Switching frequency | |
| with resistive load, max. | 100 Hz |
| on lamp load, max. | 10 Hz |
| Aggregate current of outputs (per group) | |
| horizontal installation | |
| up to 40 °C, max. | 4 A |
| up to 60 °C, max. | 3 A |
| vertical installation | |
| up to 40 °C, max. | 2 A |
| Load resistance range | |
| lower limit | 48 Ω |
| upper limit | 4 kΩ |
| Cable length | |
| Cable length, shielded, max. | 1000 m |
| Cable length unshielded, max. | 600 m |
| Interrupts/diagnostics/status information | |
| Alarms | |
| Diagnostic alarm | No |
| Diagnoses | |
| Diagnostics | No |
| Wire break | No |
| Short circuit | No |
| Missing load voltage | No |
| Diagnostics indication LED | |
| Rated load voltage PWR (green) | No |
| Fuse OK FSG (green) | No |
| Galvanic isolation | |

| | |
|--|-------------------|
| Galvanic isolation digital outputs | |
| between the channels, in groups of | 8 |
| between the channels and the backplane bus | Yes ; Optocoupler |
| Isolation | |
| Isolation checked with | 500 V DC |
| Connection method | |
| required front connector | 40-pin |
| Dimensions | |
| Width | 40 mm |
| Height | 125 mm |
| Depth | 120 mm |
| Weight | |
| Weight, approx. | 260 g |
| Status | Dec 19, 2011 |