

*** spare part *** SIMATIC S7-300 digital output SM 322, isolated in groups of 16, 64 DO, 24 V DC, 0.3 A source 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+ | |
| <ul style="list-style-type: none"> Rated value (DC) | 24 V |
| <ul style="list-style-type: none"> permissible range, lower limit (DC) | 20.4 V |
| <ul style="list-style-type: none"> 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 |
| Limitation of inductive shutdown voltage to | M+ (45 V) |
| Controlling a digital input | Yes |
| Switching capacity of the outputs | |
| <ul style="list-style-type: none"> on lamp load, max. | 5 W |
| Load resistance range | |
| <ul style="list-style-type: none"> lower limit | 80 Ω |
| <ul style="list-style-type: none"> upper limit | 10 kΩ |
| Output voltage | |
| <ul style="list-style-type: none"> for signal "1", min. | M+ (0.5 V) |
| Output current | |
| <ul style="list-style-type: none"> for signal "1" rated value | 0.3 A |
| <ul style="list-style-type: none"> for signal "1" permissible range, min. | 2.4 mA |
| <ul style="list-style-type: none"> for signal "1" permissible range, max. | 0.36 A |
| Output delay with resistive load | |
| <ul style="list-style-type: none"> "0" to "1", max. | 450 μs |
| <ul style="list-style-type: none"> "1" to "0", max. | 450 μs |
| Parallel switching of two outputs | |
| <ul style="list-style-type: none"> for uprating | No |
| <ul style="list-style-type: none"> for redundant control of a load | Yes |
| Switching frequency | |
| <ul style="list-style-type: none"> with resistive load, max. | 100 Hz |
| <ul style="list-style-type: none"> with inductive load, max. | 0.5 Hz |
| <ul style="list-style-type: none"> on lamp load, max. | 10 Hz |
| Total current of the outputs (per group) | |
| horizontal installation | |
| <ul style="list-style-type: none"> — up to 40 °C, max. | 1.6 A |
| <ul style="list-style-type: none"> — up to 60 °C, max. | 1.2 A |
| vertical installation | |
| <ul style="list-style-type: none"> — up to 40 °C, max. | 1.6 A |
| Cable length | |
| <ul style="list-style-type: none"> shielded, max. | 1 000 m |
| <ul style="list-style-type: none"> unshielded, max. | 600 m |
| Interrupts/diagnostics/status information | |
| 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 |
| Diagnostics indication LED | |
| • Rated load voltage PWR (green) | No |
| • Fuse OK FSG (green) | No |
| • Group error SF (red) | No |
| • Status indicator digital output (green) | Yes |
| • Channel fault indicator F (red) | 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 | 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](#)

[Manufacturer Declaration](#)



| | |
|--------------------------|-----|
| General Product Approval | EMV |
|--------------------------|-----|



[China RoHS](#)

[Manufacturer Declaration](#)



For use in hazardous locations



[EM](#)



[Miscellaneous](#)

For use in hazardous locations

Maritime application

[CCC-Ex](#)



[NK / Nippon Kaiji Kyokai](#)

Maritime application



[CCS \(China Classification Society\)](#)

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