

SIMATIC S7-300, Digital output SM 322, isolated, 8 DO (relay), 1x 20-pole, 24 V DC, 2 A or 230 V AC, 2A



Figure similar

| Supply voltage | |
|---|-----------|
| Load voltage L+ | |
| • Rated value (DC) | 24 V |
| Input current | |
| from supply voltage L+, max. | 160 mA |
| from backplane bus 5 V DC, max. | 40 mA |
| Power loss | |
| Power loss, typ. | 3.2 W |
| Digital outputs | |
| Number of digital outputs | 8; Relays |
| Short-circuit protection | No |
| Controlling a digital input | Yes |
| Switching capacity of the outputs | |
| • on lamp load, max. | 50 W |
| • Low energy/fluorescent lamps with electronic control gear | 10x 58 W |

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|---|--|
| • Fluorescent tubes, conventionally compensated | 1x 58 W |
| • Fluorescent tubes, uncompensated | 10x 58 W |
| Output current | |
| • for signal "1" rated value | 2 A |
| • for signal "1" minimum load current | 5 mA |
| Parallel switching of two outputs | |
| • for uprating | No |
| • for redundant control of a load | Yes |
| Switching frequency | |
| • with resistive load, max. | 2 Hz |
| • with inductive load, max. | 0.5 Hz |
| • With inductive load (to IEC 60947-5-1, DC13/AC15), max. | 0.5 Hz |
| • on lamp load, max. | 2 Hz |
| • mechanical, max. | 10 Hz |
| Relay outputs | |
| • Rated supply voltage of relay coil L+ (DC) | 24 V; 110 mA |
| • Contact connection (internal) | Yes; SIOV-CU4032 K275G |
| • Number of operating cycles, max. | 300 000; 230 V AC: 100 000; 120 V AC: 200 000; 24 V DC: 300 000 (at 2 A) |
| Switching capacity of contacts | |
| — with inductive load, max. | 2 A; 2 A (230 V AC), 2 A (24 V DC) |
| — with resistive load, max. | 2 A |
| — Thermal continuous current, max. | 3 A |
| Cable length | |
| • shielded, max. | 1 000 m |
| • unshielded, max. | 600 m |
| Interrupts/diagnostics/status information | |
| Alarms | No |
| Diagnostics function | No |
| Alarms | |
| • Diagnostic alarm | No |
| Diagnoses | |
| • 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 |
| • Status indicator digital output (green) | Yes |

Potential separation

Potential separation digital outputs

- | | |
|--|------------------|
| • between the channels | Yes |
| • between the channels, in groups of | 2 |
| • between the channels and backplane bus | Yes; Optocoupler |

Isolation

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| Isolation tested with | 1 500 V AC |
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Connection method

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| required front connector | 20-pin |
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Dimensions

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|--------|--------|
| Width | 40 mm |
| Height | 125 mm |
| Depth | 120 mm |

Weights

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|-----------------|-------|
| Weight, approx. | 190 g |
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| last modified: | 10/09/2020 |
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