## SIEMENS

Data sheet
SIMATIC S7-300, Digital output SM 322, isolated, 8 DO (relay), 1x 40-pole, 24 V DC, 120-230 V AC, 5 A with RC filter overvoltage protection


Figure similar

| Supply voltage |  |
| :---: | :---: |
| Load voltage L+ |  |
| - Rated value (DC) | 24 V |
| - permissible range, lower limit (DC) | 24 V |
| - permissible range, upper limit (DC) | 120 V |
| Load voltage L1 |  |
| - Rated value (AC) | 230 V |
| Input current |  |
| from supply voltage L+, max. | 160 mA |
| from backplane bus 5 V DC, max. | 100 mA |
| Power loss |  |
| Power loss, typ. | 3.5 W |
| Digital outputs |  |
| Number of digital outputs | 8; Relays |
| Short-circuit protection | No; to be provided externally |
| Controlling a digital input | Yes |

## Switching capacity of the outputs

- on lamp load, max.
- Low energy/fluorescent lamps with electronic control gear
- Fluorescent tubes, conventionally compensated
- Fluorescent tubes, uncompensated


## Output current

- for signal "1" rated value 5 A
- for signal "1" minimum load current

Parallel switching of two outputs

- for uprating

No

- for redundant control of a load

Switching frequency

- with resistive load, max.

2 Hz

- with inductive load, max.
- With inductive load (to IEC 60947-5-1, DC13/AC15), max.
- on lamp load, max.
- mechanical, max.

Total current of the outputs (per group)
horizontal installation

$$
\text { - up to } 60^{\circ} \mathrm{C} \text {, max. }
$$5 A

vertical installation
—up to $40^{\circ} \mathrm{C}$, max.5 A

## Relay outputs

- Contact connection (internal)
- Number of operating cycles, max.

Switching capacity of contacts

- with inductive load, max.
- with resistive load, max.
- Thermal continuous current, max.

Cable length

- shielded, max.
- unshielded, max.

1500 W; 230 V AC
10x 58 W

1x 58 W
10x 58 W

10 mA

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Yes
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0.5 Hz
0.5 Hz
2 Hz
10 Hz

- Group error SF (red)
- Status indicator digital output (green)


## Potential separation

Potential separation digital outputs

- between the channels Yes
- between the channels, in groups of
- between the channels and backplane bus
- Between the channels and the power supply of Yes; Optocoupler the relays


## Isolation

Isolation tested with 1500 V AC

## Connection method

required front connector
40-pin

## Dimensions

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


| Weights |  |
| :--- | :--- |
| Weight, approx. | 320 g |
| last modified: | $10 / 09 / 2020 \quad \boldsymbol{\lambda}$ |

