

SIMATIC S7-300, Digital output SM 322, isolated, 8 DO, 120/230 V AC, 2A, with single rooting/channel and selectable failure mode, 1x 40-pole



Figure similar

| Supply voltage                            |                     |
|---|---------------------|
| Load voltage L1                           |                     |
| • Rated value (AC)                        | 230 V; 120/230 V AC |
| • permissible range, lower limit (AC)     | 79 V                |
| • permissible range, upper limit (AC)     | 264 V               |
| Input current                             |                     |
| from load voltage L1 (without load), max. | 2 mA                |
| from backplane bus 5 V DC, max.           | 100 mA              |
| Power loss                                |                     |
| Power loss, typ.                          | 8.6 W               |
| Digital outputs                           |                     |
| Number of digital outputs                 | 8                   |
| Switching capacity of the outputs         |                     |
| • on lamp load, max.                      | 50 W                |
| Output voltage                            |                     |
| • for signal "1", min.                    | L1 (-8.5 V)         |

| Output current                                   |                         |
|--|-------------------------|
| • for signal "1" rated value                     | 2 A                     |
| • for signal "1" minimum load current            | 10 mA                   |
| • for signal "1" permissible surge current, max. | 20 A; with 2 half waves |
| • for signal "0" residual current, max.          | 2 mA                    |
| Switching frequency                              |                         |
| • with resistive load, max.                      | 10 Hz                   |
| • with inductive load, max.                      | 0.5 Hz                  |
| • on lamp load, max.                             | 1 Hz                    |
| Total current of the outputs (per group)         |                         |
| horizontal installation                          |                         |
| — up to 40 °C, max.                              | 8 A                     |
| — up to 60 °C, max.                              | 4 A                     |
| vertical installation                            |                         |
| — up to 40 °C, max.                              | 4 A                     |
| Cable length                                     |                         |
| • shielded, max.                                 | 1 000 m                 |
| • unshielded, max.                               | 600 m                   |
| Interrupts/diagnostics/status information        |                         |
| Diagnostics function                             | Yes; Parameterizable    |
| Alarms   |                         |
| • Diagnostic alarm                               | Yes; Parameterizable    |
| Diagnostics indication LED                       |                         |
| • Group error SF (red)                           | Yes                     |
| • Status indicator digital output (green)        | Yes                     |
| Potential separation                             |                         |
| Potential separation digital outputs             |                         |
| • between the channels                           | Yes                     |
| • between the channels, in groups of             | 1                       |
| • between the channels and backplane bus         | Yes; Optocoupler        |
| 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.                                  | 275 g                   |

last modified:

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