

SIMATIC S7-300, Digital output SM 322, isolated, 8 DO (relay), 1x 40-pole, 24 V DC, 5 A or 230 V AC, 5 A, connectors with spring-loaded terminal can be used as of 6ES7392-1BM01-0AA0



Figure similar

| Supply voltage                    |                   |
|-----------------------------------|-------------------|
| Load voltage L+                   |                   |
| • Rated value (DC)                | 120 V             |
| Load voltage L1                   |                   |
| • Rated value (AC)                | 230 V             |
| Input current                     |                   |
| from supply voltage L+, max.      | 125 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         |
| Switching capacity of the outputs |                   |
| • on lamp load, max.              | 1 500 W; 230 V AC |
| Output current                    |                   |
| • for signal "1" rated value      | 5 A               |

|  |  |
|--|--|
| • for signal "1" minimum load current            | 5 mA   |
| <b>Switching frequency</b>                       |  |
| • with resistive load, max.                      | 2 Hz   |
| • with inductive load, max.                      | 0.5 Hz   |
| • on lamp load, max.                             | 2 Hz   |
| • mechanical, max.                               | 10 Hz  |
| <b>Total current of the outputs (per group)</b>  |  |
| horizontal installation                          |  |
| — up to 60 °C, max.                              | 5 A  |
| vertical installation                            |  |
| — up to 40 °C, max.                              | 5 A  |
| <b>Relay outputs</b>                             |  |
| • Rated supply voltage of relay coil L+ (DC)     | 24 V   |
| • Number of operating cycles, max.               | 300 000; 300 000 (24 V DC, at 2 A); 200 000 (120 V AC, at 3 A); 100 000 (230 V AC, at 3 A) |
| <b>Switching capacity of contacts</b>            |  |
| — with inductive load, max.                      | 3 A; 3 A (230 V DC), 2 A (24 V AC)   |
| — with resistive load, max.                      | 8 A; 8 A (230 V DC), 5 A (24 V AC)   |
| <b>Cable length</b>                              |  |
| • shielded, max.                                 | 1 000 m  |
| • unshielded, max.                               | 600 m  |
| <b>Interrupts/diagnostics/status information</b> |  |
| Diagnostics function                             | No   |
| <b>Alarms</b>                                    |  |
| • Diagnostic alarm                               | No   |
| <b>Diagnostic messages</b>                       |  |
| • Wire-break                                     | No   |
| • Short-circuit                                  | No   |
| • Fuse blown                                     | No   |
| • missing load voltage                           | No   |
| <b>Diagnostics indication LED</b>                |  |
| • Rated load voltage PWR (green)                 | No   |
| • Fuse OK FSG (green)                            | No   |
| • Status indicator digital output (green)        | Yes  |
| <b>Potential separation</b>                      |  |
| Potential separation digital outputs             |  |
| • between the channels                           | Yes  |
| • between the channels, in groups of             | 1  |
| • between the channels and backplane bus         | Yes; Optocoupler   |
| <b>Isolation</b>                                 |  |
| Isolation tested with                            | 2000 V AC  |

| Connection method        |            |
|--------------------------|------------|
| required front connector | 40-pin     |
| Dimensions               |            |
| Width                    | 40 mm      |
| Height                   | 125 mm     |
| Depth                    | 120 mm     |
| Weights                  |            |
| Weight, approx.          | 320 g      |
| <b>last modified:</b>    | 06/19/2019 |