SIEMENS

Data sheet

6ES7326-2BF41-0AB0

SIMATIC S7, Digital output SM 326, F-DO 8x24 V DC/2A PM fail-safe digital output Switching to P-M potential up to Category 4 (EN 954-1)/ SIL3 (IEC61508)/PLE (ISO13849), 1x 40-pole

| Supply voltage | (13013049), 1x 40-pole |
|--|---|
| Rated value (DC) | 24 V; 1L+ |
| Reverse polarity protection | Yes |
| Load voltage L+ | 165 |
| Rated value (DC) | 24 V; 2L+, 3L+ |
| Reverse polarity protection | No |
| Input current | NO |
| from supply voltage 1L+, max. | 75 mA |
| from load voltage 2L+ (without load), max. | 100 mA |
| from load voltage 3L+ (without load), max. | 100 mA |
| from backplane bus 5 V DC, max. | 100 mA |
| Power loss | 100 1101 |
| Power loss, typ. | 12 W |
| Digital outputs | 12 VV |
| | 0 |
| Number of digital outputs Short circuit protection | 8 Yes |
| Short-circuit protection | |
| Limitation of inductive shutdown voltage to Switching capacity of the outputs | L+ (-33 V) |
| witching capacity of the outputs on lamp load, max. | 5 W |
| Output voltage | 5 W |
| • for signal "1", min. | L+ (-1.0 V) |
| Output current | L+ (-1.0 V) |
| for signal "1" rated value | 2 A |
| • for signal "1" permissible range for 0 to 40 °C, min. | 7 mA |
| • for signal "1" permissible range for 0 to 40 °C, max. | 2 A; 2 A for horizontal installation, 1 A for vertical installation |
| • for signal "1" permissible range for 40 to 60 °C, min. | 7 mA |
| • for signal "1" permissible range for 40 to 60 °C, max. | 1 A; for horizontal installation |
| • for signal "0" residual current, max. | 0.5 mA |
| Switching frequency | 0.5 IIIA |
| with resistive load, max. | 30 Hz |
| with resistive load, max. with inductive load, max. | 2 Hz |
| • on lamp load, max. | 10 Hz |
| Total current of the outputs (per group) | 10112 |
| horizontal installation | |
| — up to 40 °C, max. | 7.5 A |
| — up to 60 °C, max. | 5 A |
| vertical installation | |
| — up to 40 °C, max. | 5 A |
| Cable length | |
| shielded, max. | 200 m; 200 m for SIL 3, AK 6, Cat 4 |
| • unshielded, max. | 200 m |
| Interrupts/diagnostics/status information | |
| Alarms | |
| Diagnostic alarm | Yes; Parameterizable |
| Diagnoses | 100, 1 drumotonzubio |
| Diagnostic information readable | Yes |
| Diagnostics indication LED | 100 |
| Fail-safe operation | Yes |
| Group error SF (red) | Yes |
| Potential separation | 100 |
| 1 otential Separation | |

| Potential separation digital outputs | |
|--|-------------------|
| between the channels | Yes |
| between the channels, in groups of | 4 |
| between the channels and backplane bus | Yes |
| between the channels and the power supply of the electronics | Yes |
| Isolation | |
| Isolation tested with | 500 V DC/350 V AC |
| Standards, approvals, certificates | |
| Highest safety class achievable in safety mode | |
| • acc. to EN 954 | Cat. 4 |
| Performance level according to ISO 13849-1 | e |
| • SIL acc. to IEC 61508 | SIL 3 |
| connection method | |
| required front connector | 40-pin |
| Dimensions | |
| Width | 80 mm |
| Height | 125 mm |
| Depth | 120 mm |
| Weights | |
| Weight, approx. | 465 g |

last modified:

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