



Figure similar

Spare part SIMATIC S7, Digital output SM 326, 10 DO, 24 V DC, 2A, fail-safe digital output for SIMATIC S7F systems, with diagnostic alarm, 1x 40-pole

| Supply voltage | |
|--|---|
| Rated value (DC) | 24 V; 1L+ |
| Reverse polarity protection | Yes |
| Load voltage L+ | |
| <ul style="list-style-type: none"> Rated value (DC) | 24 V; 2L+, 3L+ |
| <ul style="list-style-type: none"> Reverse polarity protection | No |
| Input current | |
| from supply voltage 1L+, max. | 70 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 | |
| Power loss, typ. | 12 W |
| Digital outputs | |
| Number of digital outputs | 10 |
| Short-circuit protection | Yes |
| Limitation of inductive shutdown voltage to | L+ (-53 V) without series diode, L+ (-33 V) with series diode |
| Switching capacity of the outputs | |
| <ul style="list-style-type: none"> on lamp load, max. | 5 W |
| Output voltage | |
| <ul style="list-style-type: none"> for signal "1", min. | L+ (-1 V) without series diode, L+ (-1.8 V) with series diode |
| Output current | |
| <ul style="list-style-type: none"> for signal "1" rated value | 2 A |
| <ul style="list-style-type: none"> for signal "1" permissible range for 0 to 40 °C, min. | 7 mA |
| <ul style="list-style-type: none"> for signal "1" permissible range for 0 to 40 °C, max. | 2 A; 2 A for horizontal installation, 1 A for vertical installation |
| <ul style="list-style-type: none"> for signal "1" permissible range for 40 to 60 °C, min. | 7 mA |
| <ul style="list-style-type: none"> for signal "1" permissible range for 40 to 60 °C, max. | 1 A; for horizontal installation |
| <ul style="list-style-type: none"> for signal "0" residual current, max. | 0.5 mA |
| Switching frequency | |
| <ul style="list-style-type: none"> with resistive load, max. | 10 Hz |
| <ul style="list-style-type: none"> with inductive load, max. | 2 Hz |
| <ul style="list-style-type: none"> on lamp load, max. | 10 Hz |
| Total current of the outputs (per group) | |
| horizontal installation | |
| <ul style="list-style-type: none"> up to 40 °C, max. | 7.5 A; without series diode, 5 A with series diode |
| <ul style="list-style-type: none"> up to 60 °C, max. | 5 A; without series diode, 4 A with series diode |
| vertical installation | |
| <ul style="list-style-type: none"> up to 40 °C, max. | 5 A; without series diode, 4 A with series diode |
| Cable length | |

- shielded, max. 1 000 m; 200 m for SIL 3, AK 6, Cat 4
- unshielded, max. 600 m

Interrupts/diagnostics/status information

Alarms

- Diagnostic alarm Yes

Diagnoses

- Diagnostic information readable Yes

Diagnostics indication LED

- Fail-safe operation Yes
- Group error SF (red) Yes

Potential separation

Potential separation digital outputs

- between the channels Yes
- between the channels, in groups of 5
- 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 DIN VDE 0801 AK 5 and 6
- acc. to EN 954 Cat. 4
- Performance level according to ISO 13849-1 e
- SIL acc. to IEC 61508 SIL 3

connection method / header

required front connector 40-pin

Dimensions

Width 80 mm
 Height 125 mm
 Depth 120 mm

Weights

Weight, approx. 465 g

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