SIEMENS

Product data sheet



6ES7326-2BF10-0AB0

SIMATIC S7, DIGITAL OUTPUT SM326, F-DO10 X DC24V/2A PP, FAILSAFE DIGITAL OUTPUT FOR SIMATIC S7F SYSTEMS WITH DIAGNOST. INTERRUPT, LVV, 1 X 40 PIN

| Supply voltage | |
|--------------------------------------------|------------------------------|
| Load voltage L+ | |
| Rated value (DC) | 24 V ; 1L+, 2L+, 3L+ |
| Input current | |
| from load voltage1L+, max. | 100 mA ; from supply voltage |
| 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 losses | |
| Power loss, typ. | 6 W |
| Digital outputs | |
| Number/binary outputs | 10 |
| Functionality/short-circuit strength | Yes ; Electronic |
| Lamp load, max. | 5 W |
| Output current | |

| 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. | 2.4 A | |
| for signal "1" permissible range for 40 to 60 °C, min. | 7 mA | |
| for signal "1" permissible range for 40 to 60 °C, max. | 2.4 A | |
| for signal "0" residual current, max. | 0.5 mA | |
| Switching frequency | | |
| with resistive load, max. | 25 Hz | |
| with inductive load, max. | 25 Hz | |
| on lamp load, max. | 10 Hz | |
| Aggregate current of outputs (per group) | | |
| horizontal installation | | |
| up to 40 °C, max. | 10 A | |
| up to 60 °C, max. | 6 A | |
| vertical installation | | |
| up to 40 °C, max. | 5 A | |
| Cable length | | |
| Cable length, shielded, max. | 1000 m | |
| Cable length unshielded, max. | 600 m | |
| Interrupts/diagnostics/status information | | |
| Alarms | | |
| Diagnostic alarm | Yes | |
| Diagnostic messages | | |
| Diagnostic information readable | Yes | |
| Diagnostics indication LED | | |
| Fail-safe operation | Yes | |
| Group error SF (red) | Yes | |
| Galvanic isolation | | |
| Galvanic isolation digital outputs | | |
| between the channels | Yes | |
| between the channels, in groups of | 5 | |
| | | |

| between the channels and the backplane bus Yes between the channels and the power supply of the electronics Yes Isolation 370 V for 1 min Isolation checked with 370 V for 1 min Standards, approvals, certificates Image: Standards, approvals, certificates Highest safety class achievable in safety mode AK 5 and 6 acc. to DIN VDE 0801 Cat. 4 acc. to IEC 61508 SIL 3 Connection method Image: Standards required front connector 40-pin Dimensions Image: Standards Width 40 mm Height 125 mm Depth 120 mm Weight, approx. 330 g Status Jul 17, 2012 | | _ |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-----------------|
| electronicsIsolationIsolation checked with370 V for 1 minStandards, approvals, certificatesHighest safety class achievable in safety modeacc. to DIN VDE 0801AK 5 and 6acc. to EN 954Cat. 4acc. to IEC 61508SIL 3Connection methodrequired front connector40-pinDimensionsWidth40 mmHeight125 mmDepth120 mmWeight, approx.330 g | between the channels and the backplane bus | Yes |
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| Highest safety class achievable in safety modeacc. to DIN VDE 0801AK 5 and 6acc. to EN 954Cat. 4acc. to IEC 61508SIL 3Connection methodrequired front connector40-pinDimensions40 mmWidth40 mmHeight125 mmDepth120 mmWeight, approx.330 g | Isolation checked with | 370 V for 1 min |
| acc. to DIN VDE 0801AK 5 and 6acc. to EN 954Cat. 4acc. to IEC 61508SIL 3Connection methodrequired front connector40-pinDimensionsWidth40 mmHeight125 mmDepth120 mmWeightWidthWeight330 g | Standards, approvals, certificates | |
| acc. to EN 954Cat. 4acc. to IEC 61508SIL 3Connection methodrequired front connector40-pinDimensions100 mmWidth125 mmHeight120 mmWeight, approx.330 g | Highest safety class achievable in safety mode | |
| acc. to IEC 61508SIL 3Connection methodrequired front connector40-pinDimensions40 mmWidth40 mmHeight125 mmDepth120 mmWeight, approx.330 g | acc. to DIN VDE 0801 | AK 5 and 6 |
| Connection method 40-pin required front connector 40-pin Dimensions 40 mm Width 40 mm Height 125 mm Depth 120 mm Weight, approx. 330 g | acc. to EN 954 | Cat. 4 |
| required front connector40-pinDimensions40 mmWidth40 mmHeight125 mmDepth120 mmWeightYeightWeight, approx.330 g | acc. to IEC 61508 | SIL 3 |
| DimensionsWidth40 mmHeight125 mmDepth120 mmWeight120 mm | Connection method | |
| Width40 mmHeight125 mmDepth120 mmWeight120 mm | required front connector | 40-pin |
| Height 125 mm Depth 120 mm Weight 120 mm | Dimensions | |
| Depth 120 mm Weight 330 g | Width | 40 mm |
| Weight Weight, approx. 330 g | Height | 125 mm |
| Weight, approx. 330 g | Depth | 120 mm |
| | Weight | |
| Status Jul 17, 2012 | Weight, approx. | 330 g |
| | Status | Jul 17, 2012 |

Date: