SIEMENS

## Data sheet 6AG1326-2BF10-2AB0

Figure similar

***spare part*** SIPLUS S7-300 SM 326 10 F-DO based on 6ES7326-2BF10-0AB0 with conformal coating, -25…+60 °C, 70° with forced convection, digital output 24 V DC/2 A PP, fail-safe digital output for SIMATIC S7F systems, with diagnostic alarm, LVV, 1x 40-pole

| | |
|---|---|
| **General information** | |
| based on | 6ES7326-2BF10-0AB0 |
| **Supply voltage** | |
| Rated value (DC) | 24 V; 1L+ |
| Reverse polarity protection | Yes |
| Load voltage L+ | |
| ● Rated value (DC) | 24 V; 2L+, 3L+ |
| ● Reverse polarity protection | No |
| **Input current** | |
| from supply voltage 1L+, max. | 100 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. | 6 W |
| **Digital outputs** | |
| Number of digital outputs | 10 |
| Short-circuit protection | Yes |
| Switching capacity of the outputs | |
| ● on 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 |
| Total current of the 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 | |


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| | |
|---|---|
| ● shielded, max. | 1 000 m |
| ● 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 | 370V for 1 min |
| **Standards, approvals, certificates** | |
| CE mark | Yes |
| UL approval | Yes; File E239877 |
| RCM (formerly C-TICK) | Yes |
| KC approval | Yes |
| EAC (formerly Gost-R) | Yes |
| 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 |
| **Ambient conditions** | |
| Ambient temperature during operation | |
| ● min. | -25 °C |
| ● max. | 60 °C; = T max; *+70 °C when forced convection at a minimum air speed of 0.3 m/s through the modules is ensured. If in the course of maintenance or automatic diagnosis it is determined that the admissible specified parameters have been exceeded, the modules should be subjected to a proof test (function check) by the manufacturer. |
| Altitude during operation relating to sea level | |
| ● Installation altitude above sea level, max. | 2 000 m |
| ● Ambient air temperature-barometric pressure-altitude | Tmin ... Tmax at 1 140 hPa ... 795 hPa (-1 000 m ... +2 000 m) |
| Relative humidity | |
| ● With condensation, tested in accordance with IEC 60068-2-38, max. | 100 %; RH incl. condensation/frost (no commissioning under condensation conditions) |
| Resistance | |
| Use in stationary industrial systems | |
| — to biologically active substances according to EN 60721-3-3 | Yes; Class 3B2 mold, fungus and dry rot spores (with the exception of fauna); Class 3B3 on request |
| — to chemically active substances according to EN 60721-3-3 | Yes; Class 3C4 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); * |
| — to mechanically active substances according to EN 60721-3-3 | Yes; Class 3S4 incl. sand, dust, * |
| Use on ships/at sea | |
| — to biologically active substances according to EN 60721-3-6 | Yes; Class 6B2 mold and fungal spores (excluding fauna); Class 6B3 on request |
| — to chemically active substances according to EN 60721-3-6 | Yes; Class 6C3 (RH < 75 %) incl. salt spray acc. to EN 60068-2-52 (severity degree 3); * |
| — to mechanically active substances according to EN 60721-3-6 | Yes; Class 6S3 incl. sand, dust; * |
| Usage in industrial process technology | |
| — Against chemically active substances acc. to EN 60654-4 | Yes; Class 3 (excluding trichlorethylene) |
| — Environmental conditions for process, measuring and control systems acc. to ANSI/ISA-71.04 | Yes; Level GX group A/B (excluding trichlorethylene; harmful gas concentrations up to the limits of EN 60721-3-3 class 3C4 permissible); level |


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| | |
|---|---|
| | LC3 (salt spray) and level LB3 (oil) |
| Remark | |
| — Note regarding classification of environmental conditions acc. to EN 60721, EN 60654-4 and ANSI/ISA-71.04 | * The supplied plug covers must remain in place over the unused interfaces during operation! |
| **Connection method** | |
| required front connector | 40-pin |
| **Dimensions** | |
| Width | 40 mm |
| Height | 125 mm |
| Depth | 120 mm |
| **Weights** | |
| Weight, approx. | 330 g |

**Classifications**

| | Version | Classification |
|---|---|---|
| eClass | 16 | 27-24-22-04 |
| eClass | 14 | 27-24-22-04 |
| eClass | 12 | 27-24-22-04 |
| eClass | 9.1 | 27-24-22-04 |
| eClass | 9 | 27-24-22-04 |
| eClass | 8 | 27-24-22-04 |
| eClass | 7.1 | 27-24-22-04 |
| eClass | 6 | 27-24-22-04 |
| ETIM | 10 | EC001419 |
| ETIM | 9 | EC001419 |
| ETIM | 8 | EC001419 |
| ETIM | 7 | EC001419 |
| IDEA | 4 | 3566 |
| UNSPSC | 15 | 32-15-17-05 |

**Approvals / Certificates**

**General Product Approval**

Manufacturer Declaration | China RoHS | TUEV

**General Product Approval** | **EMV** | **For use in hazardous locations**

CCC-Ex

**Functional Saftey** | **Test Certificates**

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