SIEMENS

## Data sheet 6AG1134-4GB01-2AB0

SIPLUS ET 200S EM 2AI standard I based on 6ES7134-4GB01-0AB0 with conformal coating, -25…+60 °C,

| | |
|---|---|
| **General information** | |
| Product function | |
| ● Isochronous mode | No |
| **Supply voltage** | |
| Load voltage L+ | |
| ● Rated value (DC) | 24 V; From power module |
| ● Reverse polarity protection | Yes; Destruction limit 35 mA per channel |
| **Input current** | |
| from load voltage L+ (without load), max. | 80 mA |
| from backplane bus 3.3 V DC, max. | 10 mA |
| **Power loss** | |
| Power loss, typ. | 0.6 W |
| **Address area** | |
| Address space per module | |
| ● Address space per module, max. | 4 byte |
| **Analog inputs** | |
| Number of analog inputs | 2 |
| permissible input current for current input (destruction limit), max. | 40 mA |
| Cycle time (all channels) max. | Number of active channels per module x basic conversion time |
| Input ranges (rated values), currents | |
| ● 4 mA to 20 mA | Yes; on 50 ohms |
| Cable length | |
| ● shielded, max. | 200 m |
| **Analog value generation for the inputs** | |
| Measurement principle | integrating |
| Integration and conversion time/resolution per channel | |
| ● Resolution with overrange (bit including sign), max. | 13 bit; 4 to 20 mA: 13 bit |
| ● Integration time (ms) | 16,7 / 20 ms |
| ● Interference voltage suppression for interference frequency f1 in Hz | 50 / 60 Hz |
| ● Conversion time (per channel) | 65 ms; 55 / 65 ms |
| Smoothing of measured values | |
| ● parameterizable | Yes; In four stages by means of digital filtering |
| ● Step: None | Yes; 1x cycle time |
| ● Step: low | Yes; 4x cycle time |
| ● Step: Medium | Yes; 32x cycle time |
| ● Step: High | Yes; 64x cycle time |
| **Encoder** | |

| | |
|---|---|
| Connection of signal encoders | |
| ● for current measurement as 2-wire transducer | |
| — Burden of 2-wire transmitter, max. | 750 Ω |
| **Errors/accuracies** | |
| Operational error limit in overall temperature range | |
| ● Current, relative to input range, (+/-) | 0.6 % |
| Basic error limit (operational limit at 25 °C) | |
| ● Current, relative to input range, (+/-) | 0.4 % |
| **Interrupts/diagnostics/status information** | |
| Diagnoses | |
| ● Wire break | Yes |
| ● Group error | Yes |
| ● Overflow/Underflow | Yes |
| Diagnostics indication LED | |
| ● Group error SF (red) | Yes |
| **Parameter** | |
| Remark | 4 byte |
| Group diagnostics | Disable / enable |
| Overflow/Underflow | Disable / enable |
| **Potential separation** | |
| Potential separation analog inputs | |
| ● between the channels | No |
| ● between the channels and backplane bus | Yes |
| ● Between the channels and load voltage L+ | No |
| **Isolation** | |
| Isolation tested with | 500 V DC |
| **Standards, approvals, certificates** | |
| CE mark | Yes |
| UL approval | Yes |
| **Ambient conditions** | |
| Ambient temperature during operation | |
| ● min. | -25 °C; = Tmin |
| ● max. | 60 °C; = Tmax |
| Altitude during operation relating to sea level | |
| ● Installation altitude above sea level, max. | 5 000 m |
| ● Ambient air temperature-barometric pressure-altitude | Tmin ... Tmax at 1 140 hPa ... 795 hPa (-1 000 m ... +2 000 m) // Tmin ... (Tmax - 10 K) at 795 hPa ... 658 hPa (+2 000 m ... +3 500 m) // Tmin ... (Tmax -20 K) at 658 hPa ... 540 hPa (+3 500 m ... +5 000 m) |
| Relative humidity | |
| ● With condensation, tested in accordance with IEC 60068-2-38, max. | 100 %; RH incl. condensation/frost permitted (no commissioning in bedewed state) |
| 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 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! |

| **Dimensions** | |
|---|---|
| Width | 15 mm |
| Height | 81 mm |
| Depth | 52 mm |

| **Weights** | |
|---|---|
| Weight, approx. | 40 g |

**Classifications**

| | Version | Classification |
|---|---|---|
| eClass | 14 | 27-24-26-01 |
| eClass | 12 | 27-24-26-01 |
| eClass | 9.1 | 27-24-26-01 |
| eClass | 9 | 27-24-26-01 |
| eClass | 8 | 27-24-26-01 |
| eClass | 7.1 | 27-24-26-01 |
| eClass | 6 | 27-24-26-01 |
| ETIM | 10 | EC001596 |
| ETIM | 9 | EC001596 |
| ETIM | 8 | EC001596 |
| ETIM | 7 | EC001596 |
| IDEA | 4 | 3562 |
| UNSPSC | 15 | 32-15-17-05 |

**Approvals / Certificates**

**General Product Approval**

Manufacturer Declaration

China RoHS

Metrological Approval

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

CCC-Ex

**last modified:** 5/13/2024