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## Data sheet 6AG1340-1AH02-2AY0

SIPLUS S7-300 CP 340 RS232 -25..+60°C Conformity with EN 50155 with conformal coating based on 6ES7340-1AH02-0AE0. Communications processor with RS232C interface (RS-232-C) incl. configuration package auf CD-ROM

Figure similar

| | |
|---|---|
| **General information** | |
| Product type designation | CP 340 |
| **Supply voltage** | |
| Rated value (DC) | A power supply according to EN 50155 shall be used |
| • 24 V DC | No; Power supply via backplane bus 5V |
| **Input current** | |
| from backplane bus 5 V DC, max. | 165 mA |
| **Power loss** | |
| Power loss, typ. | 0.6 W |
| Power loss, max. | 0.85 W |
| **Interfaces** | |
| Interfaces/bus type | RS 232C (V.24) |
| Number of interfaces | 1; Isolated |
| Transmission rate, min. | 2.4 kbit/s |
| Transmission rate, max. | 19.2 kbit/s |
| **Point-to-point connection** | |


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| | |
|---|---|
| • Cable length, max. | 15 m |
| • supported printers | HP-Deskjet, HP-Laserjet, IBM-Proprinter, user-defined |
| • Connector type | 9-pin sub D connector |
| Integrated protocol driver | |
| — 3964 (R) | Yes |
| — ASCII | Yes |
| — RK 512 | No |
| — customer-specific drivers reloadable | No |
| Telegram length, max. | |
| — 3964 (R) | 1 024 byte |
| — ASCII | 1 024 byte |
| Transmission speed, RS 232 | |
| — with 3964 (R) protocol, max. | 19.2 kbit/s |
| — with ASCII protocol, max. | 9.6 kbit/s |
| — with printer driver, max. | 9.6 kbit/s |

## Standards, approvals, certificates

| | |
|---|---|
| CE mark | Yes |
| UL approval | Yes; File E239877 |
| RCM (formerly C-TICK) | Yes |
| KC approval | Yes |
| EAC (formerly Gost-R) | Yes |
| Railway application | |
| • EN 50155 | Yes; Sections 4, 5 and 12; no further agreements apply; T1, Category 1, Class A/B, EN 50155:2007 |

## Ambient conditions

| | |
|---|---|
| Ambient temperature during operation | |
| • min. | -25 °C; = Tmin |
| • max. | 60 °C; = Tmax; the rated temperature range of -25 ... +55 °C (T1) applies for the use on railway vehicles according to EN50155 |
| Ambient temperature during storage/transportation | |
| • min. | -40 °C |
| • max. | 70 °C |
| 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 (no commissioning under condensation conditions) |
| Resistance | |


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| | |
|---|---|
| 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 land craft, rail vehicles and special-purpose vehicles | |
| — to biologically active substances according to EN 60721-3-5 | Yes; Class 5B2 mold, fungus and dry rot spores (with the exception of fauna); Class 5B3 on request |
| — to chemically active substances according to EN 60721-3-5 | Yes; Class 5C3 (RH < 75 %) incl. salt spray acc. to EN 50155 (ST2); * |
| — to mechanically active substances according to EN 60721-3-5 | Yes; Class 5S3 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! |

| Software | |
|---|---|
| Block | |
| • FB length in RAM, max. | 2 700 byte; Data communication, sending and receiving |

| Connection method | |
|---|---|
| Design of electrical connection for supply voltage | Over backplane bus |

| Dimensions | |
|---|---|
| Width | 40 mm |
| Height | 125 mm |
| Depth | 120 mm |

| Weights | |
|---|---|
| Weight, approx. | 300 g |

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