SIEMENS

## Data sheet 6AG1900-0AB10-7AA0



Figure similar

SIPLUS C-Plug based on 6GK1900-0AB10 with conformal coating, -40…+75 °C, removable data storage medium for simple device replacement in case of fault, for recording configuration or engineering and application data, can be used in the following SIMATIC NET products with C-Plug slot: SCALANCE XC-200, XP-200, XM-400, XR-500, M-800 S615 and W-700

| | |
|---|---|
| **General information** | |
| Product type designation | C-Plug |
| based on | 6GK1900-0AB10 |
| **Storage** | |
| Memory size | 256 Mbyte |
| Total memory capacity | 256 Mbyte |
| **Degree and class of protection** | |
| IP degree of protection | IP20 |
| **Ambient conditions** | |
| Ambient temperature during operation | |
| ● min. | -40 °C; = Tmin (incl. condensation/frost) |
| ● max. | 75 °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 1 080 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 | |
| ● Operation, max. | 100 %; RH incl. condensation/frost permitted (no commissioning in bedewed state) |
| ● With condensation, tested in accordance with IEC 60068-2-38, max. | 100 %; RH incl. condensation/frost permitted (no commissioning in bedewed state) |
| Resistance | |
| Coolants and lubricants | |
| — Resistant to commercially available coolants and lubricants | Yes; Incl. diesel and oil droplets in the air |
| 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, fungal and dry rot spores (excluding fauna) |
| — 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; * |
| Remark | |


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| | |
|---|---|
| — 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! |
| **Conformal coating** | |
| ● Coatings for printed circuit board assemblies acc. to EN 61086 | Yes; Class 2 for high reliability |
| ● Protection against fouling acc. to EN 60664-3 | Yes; Type 1 protection |
| ● Electronic equipment on rolling stock acc. to EN 50155 | Yes; Class PC2 protective coating acc. to EN 50155:2017 |
| ● Military testing according to MIL-I-46058C, Amendment 7 | Yes; Discoloration of coating possible during service life |
| ● Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A | Yes; Conformal coating, Class A |
| **Dimensions** | |
| Width | 24.3 mm |
| Height | 17 mm |
| Depth | 8.1 mm |
| **Weights** | |
| Weight, approx. | 0.5 g |

**Classifications**

| | Version | Classification |
|---|---|---|
| eClass | 16 | 27-24-22-12 |
| eClass | 14 | 27-24-22-12 |
| eClass | 12 | 27-24-22-12 |
| eClass | 9.1 | 27-24-22-12 |
| eClass | 9 | 27-24-22-12 |
| eClass | 8 | 27-24-22-12 |
| eClass | 7.1 | 27-24-22-12 |
| eClass | 6 | 27-24-22-12 |
| ETIM | 10 | EC000192 |
| ETIM | 9 | EC000192 |
| ETIM | 8 | EC000192 |
| ETIM | 7 | EC000192 |
| IDEA | 4 | 6458 |
| UNSPSC | 15 | 43-20-14-02 |

**Approvals / Certificates**

**General Product Approval**

Manufacturer Declaration

China RoHS

**General Product Approval** | **EMV**

China RoHS

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