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## Data sheet 6BK1620-0AA00-0AA0




SIMATIC PN/CAN LINK Gateway from Profinet to CAN or CANopen networks CAN 2.0A/B CANopen Manager to CiA301/302 CANopen Slave to CiA301/302 IP20

| | |
|---|---|
| **General information** | |
| Product type designation | PN/CAN Link |
| Firmware version | V2.4.0 |
| ● FW update possible | Yes |
| Vendor identification (VendorID) | ID 03 00 00 53h acc. to CiA |
| Product function | |
| ● I&M data | Yes; I&M0 to I&M3 |
| ● Isochronous mode | No |
| Engineering with | |
| ● STEP 7 TIA Portal configurable/integrated from version | STEP 7 V14 or higher |
| ● PROFINET from GSD version/GSD revision | GSDML V2.4.x |
| **Installation type/mounting** | |
| Mounting | DIN rail, wall mounting, portrait mounting |
| Mounting position | any |
| Recommended mounting position | Horizontal |
| Rail mounting | Yes |
| Control cabinet installation | Yes |
| **Supply voltage** | |
| Type of supply voltage | DC |
| Rated value (DC) | 24 V |
| permissible range, lower limit (DC) | 20.4 V |
| permissible range, upper limit (DC) | 28.8 V |
| Reverse polarity protection | Yes |
| Overvoltage protection | Yes |
| Short-circuit protection | Yes |
| Mains buffering | |
| ● Mains/voltage failure stored energy time | 10 ms |
| **Input current** | |
| Current consumption (rated value) | 0.09 A |
| Current consumption, max. | 0.11 A |
| **Power loss** | |
| Power loss, typ. | 2.2 W |
| **Interfaces** | |
| Supports protocol for PROFINET IO | |
| ● automatic detection of transmission rate | No |
| ● Transmission rate, max. | 100 Mbit/s |
| ● Number of RJ45 ports | 2 |
| ● Number of FC (FastConnect) connections | 2 |
| PROFINET functions | |


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| ● Assignment of the IP address, supported | Yes |
| ● Assignment of the device name, supported | Yes |
| **1. Interface** | |
| Interface type | CAN according to CiA 303-1 |
| Isolated | Yes; 500 V AC or 707 V DC |
| Interface types | |
| ● Number of ports | 1 |
| ● Design of the connection | 9-pin sub D socket |
| CAN | |
| ● CAN operating modes | CAN Standard CAN 2.0A/B; CANopen Manager / Slave acc. to CiA |
| ● Specification acc. to CiA | CiA 301 & CiA 302 |
| ● Transmission rate, min. | 50 kbit/s |
| ● Transmission rate, max. | 1 000 kbit/s |
| ● max. number of devices | 126 |
| ● Number of SDOs in parallel | 16; Parallel |
| ● Number of PDOs | 512; Send / receive |
| Services | |
| — Node/life-guarding | Yes |
| — Heartbeat | Yes |
| — SYNC | Yes |
| **2. Interface** | |
| Interface type | PROFINET |
| Isolated | Yes; 1 500 V AC or 2 250 V DC |
| Interface types | |
| ● RJ 45 (Ethernet) | Yes |
| ● Number of ports | 2 |
| ● integrated switch | Yes |
| Protocols | |
| ● PROFINET IO device | Yes |
| ● Open IE communication | Yes |
| **Interrupts/diagnostics/status information** | |
| Status indicator | Yes |
| Alarms | Yes |
| Diagnostics function | Yes |
| Diagnostics indication LED | |
| ● RUN LED | Yes |
| ● ERROR LED | Yes |
| ● MAINT LED | Yes |
| ● LINK LED | Yes |
| ● RX/TX LED | Yes |
| **Potential separation** | |
| Potential separation exists | Yes |
| **Degree and class of protection** | |
| IP degree of protection | IP20 |
| **Standards, approvals, certificates** | |
| CE mark | Yes |
| UL approval | Yes |
| cULus | Yes |
| RCM (formerly C-TICK) | Yes |
| KC approval | Yes |
| EAC (formerly Gost-R) | Yes |
| PNO certificate | Yes |
| RoHS conformity | Yes |
| Ecological footprint | |
| ● environmental product declaration | Yes |
| Global warming potential | |
| — global warming potential, (total) [CO2 eq] | 50.8 kg |
| — global warming potential, (during production) [CO2 eq] | 14.4 kg |


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| | |
|---|---|
| — global warming potential, (during operation) [CO2 eq] | 36.8 kg |
| — global warming potential, (after end of life cycle) [CO2 eq] | -0.52 kg |
| Marine approval | |
| ● Germanischer Lloyd (GL) | Yes |
| ● American Bureau of Shipping (ABS) | Yes |
| ● Bureau Veritas (BV) | Yes |
| ● Det Norske Veritas (DNV) | Yes |
| ● Lloyds Register of Shipping (LRS) | Yes |
| ● Nippon Kaiji Kyokai (Class NK) | Yes |
| **Ambient conditions** | |
| Ambient temperature during operation | |
| ● horizontal installation, min. | -25 °C |
| ● horizontal installation, max. | 60 °C |
| ● vertical installation, min. | -25 °C |
| ● vertical installation, max. | 55 °C |
| ● ceiling installation, min. | -25 °C |
| ● ceiling installation, max. | 45 °C |
| ● floor installation, min. | -25 °C |
| ● floor installation, max. | 45 °C |
| Ambient temperature during storage/transportation | |
| ● min. | -40 °C |
| ● max. | 85 °C |
| Relative humidity | |
| ● Operation, max. | 95 % |
| **Dimensions** | |
| Width | 70 mm |
| Height | 112 mm |
| Depth | 75 mm |
| **Weights** | |
| Weight, approx. | 212 g |

**Classifications**

| | Version | Classification |
|---|---|---|
| eClass | 16 | 27-24-22-08 |
| eClass | 14 | 27-24-22-08 |
| eClass | 12 | 27-24-22-08 |
| eClass | 9.1 | 27-24-22-08 |
| eClass | 9 | 27-24-22-08 |
| eClass | 8 | 27-24-22-08 |
| eClass | 7.1 | 27-24-22-08 |
| eClass | 6 | 27-24-22-08 |
| ETIM | 10 | EC001423 |
| ETIM | 9 | EC001423 |
| ETIM | 8 | EC001423 |
| ETIM | 7 | EC001423 |
| IDEA | 4 | 3564 |
| UNSPSC | 15 | 32-15-17-05 |

**Approvals / Certificates**

**General Product Approval**

Manufacturer Declaration | CE EG-Konf. | PROFINET | UL | EAC | China RoHS

| EMV | Maritime application |
|---|---|


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| Maritime application | | Environment |
|---|---|---|
| NK / Nippon Kaiji Kyokai | CCS (China Classification Society) | |

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