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## Data sheet 6BK1621-0AA00-0AA0




SIMATIC PN/BACnet LINK coupling module for Profinet to BACnet/IP Fieldbus, Device-Profile: B-GW, IP20

| | |
|---|---|
| **General information** | |
| Product type designation | PN/BACnet Link |
| Firmware version | |
| ● FW update possible | Yes |
| Vendor identification (VendorID) | 7 |
| Product function | |
| ● I&M data | Yes |
| ● Isochronous mode | No |
| Engineering with | |
| ● STEP 7 TIA Portal configurable/integrated from version | V14 SP1 |
| **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) | 0.11 A |
| Current consumption, max. | 0.13 A |
| **Power loss** | |
| Power loss, typ. | 2.7 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 | |
| ● Assignment of the IP address, supported | Yes |
| ● Assignment of the device name, supported | Yes |


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|---|---|
| **1. Interface** | |
| Interface type | BACnet/IP |
| Isolated | Yes; 1 500 V AC or 2 250 V DC |
| Interface types | |
| ● RJ 45 (Ethernet) | Yes |
| ● Number of ports | 1 |
| ● Design of the connection | RJ45 |
| BACnet | |
| ● BACnet device profile | B-GW |
| ● Supported character sets | ISO 10646 (UTF-8) |
| ● Network Security | No |
| ● Number if BACnet objects/object references | 1 000 |
| ● Number of subscription services | 1 000 |
| **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 |
| **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 |
| PNO certificate | Yes |
| BTL 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 |
| — global warming potential, (during operation) [CO2 eq] | 36.8 kg |
| — global warming potential, (after end of life cycle) [CO2 eq] | -0.52 kg |
| **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 |


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|---|---|
| ● 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 % |
| **Software** | |
| Runtime software | |
| Target system | |
| — ET 200SP | Yes |
| — Open Controller | Yes |
| — S7-1200 | Yes |
| — S7-1500 | Yes |
| **connection method** | |
| Design of electrical connection | Screw connection |
| **Dimensions** | |
| Width | 70 mm |
| Height | 112 mm |
| Depth | 75 mm |
| **Weights** | |
| Weight, approx. | 210 g |

**Classifications**

| | Version | Classification |
|---|---|---|
| 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 | | | EMV | Environment |
|---|---|---|---|---|
| Manufacturer Declaration | CE EG-Konf. | UL UL | Manufacturer Declaration | RCM EPD |

**Industrial Communication**

PROFINET

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