



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 |
| Overtoltage 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 |

| 1. Interface | |
|--|-------------------------------|
| Interface type | BACnet/IP |
| Isolated | Yes; 1 500 V AC or 2 250 V DC |
| Interface types | |
| <ul style="list-style-type: none"> • RJ 45 (Ethernet) | Yes |
| <ul style="list-style-type: none"> • Number of ports | 1 |
| <ul style="list-style-type: none"> • Design of the connection | RJ45 |
| BACnet | |
| <ul style="list-style-type: none"> • BACnet device profile | B-GW |
| <ul style="list-style-type: none"> • Supported character sets | ISO 10646 (UTF-8) |
| <ul style="list-style-type: none"> • Network Security | No |
| <ul style="list-style-type: none"> • Number of BACnet objects/object references | 1 000 |
| <ul style="list-style-type: none"> • Number of subscription services | 1 000 |
| 2. Interface | |
| Interface type | PROFINET |
| Isolated | Yes; 1 500 V AC or 2 250 V DC |
| Interface types | |
| <ul style="list-style-type: none"> • RJ 45 (Ethernet) | Yes |
| <ul style="list-style-type: none"> • Number of ports | 2 |
| <ul style="list-style-type: none"> • integrated switch | Yes |
| Protocols | |
| <ul style="list-style-type: none"> • PROFINET IO Device | Yes |
| Interrupts/diagnostics/status information | |
| Status indicator | Yes |
| Alarms | Yes |
| Diagnostics function | Yes |
| Diagnostics indication LED | |
| <ul style="list-style-type: none"> • RUN LED | Yes |
| <ul style="list-style-type: none"> • ERROR LED | Yes |
| <ul style="list-style-type: none"> • MAINT LED | Yes |
| <ul style="list-style-type: none"> • LINK LED | Yes |
| <ul style="list-style-type: none"> • 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 |
| Ambient conditions | |
| Ambient temperature during operation | |
| <ul style="list-style-type: none"> • horizontal installation, min. | -25 °C |
| <ul style="list-style-type: none"> • horizontal installation, max. | 60 °C |
| <ul style="list-style-type: none"> • vertical installation, min. | -25 °C |
| <ul style="list-style-type: none"> • vertical installation, max. | 55 °C |
| <ul style="list-style-type: none"> • ceiling installation, min. | -25 °C |
| <ul style="list-style-type: none"> • ceiling installation, max. | 45 °C |
| <ul style="list-style-type: none"> • floor installation, min. | -25 °C |
| <ul style="list-style-type: none"> • floor installation, max. | 45 °C |
| Ambient temperature during storage/transportation | |
| <ul style="list-style-type: none"> • min. | -40 °C |
| <ul style="list-style-type: none"> • max. | 85 °C |
| Relative humidity | |
| <ul style="list-style-type: none"> • 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 |

last modified: 10/12/2023 