

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                                                                                          |                                            |
| <ul style="list-style-type: none"> <li>FW update possible</li> </ul>                                      | Yes                                        |
| Vendor identification (VendorID)                                                                          | 7                                          |
| Product function                                                                                          |                                            |
| <ul style="list-style-type: none"> <li>I&amp;M data</li> </ul>                                            | Yes                                        |
| Engineering with                                                                                          |                                            |
| <ul style="list-style-type: none"> <li>STEP 7 TIA Portal configurable/integrated as of version</li> </ul> | V14 SP1                                    |
| Installation type/mounting                                                                                |                                            |
| Mounting                                                                                                  | DIN rail, wall mounting, portrait mounting |
| Mounting position                                                                                         | Any                                        |
| Recommended mounting position                                                                             | Horizontal                                 |
| Supply voltage                                                                                            |                                            |
| Type of supply voltage                                                                                    | 24 V 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                             |
| <b>Mains buffering</b>                           |                                 |
| • Mains/voltage failure stored energy time       | 10 ms                           |
| <b>Input current</b>                             |                                 |
| Current consumption (rated value)                | 0.11 A                          |
| Current consumption, max.                        | 0.13 A                          |
| <b>Power loss</b>                                |                                 |
| Power loss, typ.                                 | 2.7 W                           |
| <b>Interfaces</b>                                |                                 |
| <b>Supports protocol for PROFINET IO</b>         |                                 |
| • automatic detection of transmission rate       | No                              |
| • Transmission rate, max.                        | 100 Mbit/s                      |
| • Number of RJ45 ports                           | 2                               |
| • Number of FC (FastConnect) connections         | 2                               |
| <b>PROFINET functions</b>                        |                                 |
| • Assignment of the IP address, supported        | Yes                             |
| • Assignment of the device name, supported       | Yes                             |
| <b>BACnet</b>                                    |                                 |
| • BACnet device profile                          | B-GW                            |
| • Supported character sets                       | ISO 10646 (UTF-8)               |
| • Network Security                               | No                              |
| <b>1. Interface</b>                              |                                 |
| Interface type                                   | BACnet/IP                       |
| Physics                                          | RJ45                            |
| Isolated                                         | Yes; 1 500 V AC or 2 250 V DC   |
| <b>Interface types</b>                           |                                 |
| • Number of ports                                | 1                               |
| <b>2. Interface</b>                              |                                 |
| Interface type                                   | PROFINET                        |
| Physics                                          | Ethernet, 2-port switch, 2*RJ45 |
| Isolated                                         | Yes; 1 500 V AC or 2 250 V DC   |
| <b>Interface types</b>                           |                                 |
| • Number of ports                                | 2                               |
| • integrated switch                              | Yes                             |
| <b>Protocols</b>                                 |                                 |
| • PROFINET IO Device                             | Yes                             |
| <b>Interrupts/diagnostics/status information</b> |                                 |

|                                                   |        |
|---------------------------------------------------|--------|
| 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                    |        |
| Degree of protection acc. to EN 60529             | 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              |        |
| • 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 %   |
| 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:** 04/09/2020