

Proxy - FL NP PND-4TX IB - 2985974

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Proxy for PROFINET-RT-IRT, G4 functionality, INTERBUS proxy with integrated 4-port switch

Product Description

The latest generation of INTERBUS proxies seamlessly integrate a complete INTERBUS system together with all its functions into a higher-level control system with PROFINET functionality. Using GSDML files, the parameterization can be integrated perfectly into the higher-level engineering system. The devices offer the following features:– Data exchange, diagnostics, and parameterization are via the PROFINET protocol– They can be integrated and parameterized in any controller using the PROFINET functionality– LLDP support for topology detection– PROFINET update rates ≥ 1 ms

Product Features

- LLDP support for topology detection
- Data exchange, diagnostics, and parameterization are via the PROFINET protocol
- Can be integrated and parameterized in any controller using the PROFINET functionality
- PROFINET update rates = 1 ms



Key commercial data

| | |
|------------------|---------------|
| package_quantity | 1 |
| GTIN | 4046356168939 |

Technical data

Note

| | |
|-------------------------|---|
| Utilization restriction | EMC: class A product, see manufacturer's declaration in the download area |
|-------------------------|---|

Dimensions

| | |
|--------|--------|
| Width | 128 mm |
| Height | 95 mm |
| Depth | 69 mm |

Ambient conditions

| | |
|--|--------------------------------|
| Degree of protection | IP20 |
| Ambient temperature (operation) | -25 °C ... 60 °C |
| Ambient temperature (storage/transport) | -25 °C ... 70 °C |
| Permissible humidity (operation) | 10 % ... 95 % (non-condensing) |
| Permissible humidity (storage/transport) | 10 % ... 95 % (non-condensing) |

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Technical data

Ambient conditions

| | |
|---|---|
| Air pressure (operation) | 80 kPa ... 108 kPa (2000 above sea level) |
| Air pressure (storage/transport) | 66 kPa ... 108 kPa (3000 above sea level) |

Interfaces

| | |
|----------------------------|---------------------|
| Interface 1 | Ethernet |
| No. of ports | 4 |
| Connection method | RJ45 socket |
| Transmission speed | 10/100 MBit/s |
| Transmission length | 100 m |
| Interface 2 | INTERBUS (Master) |
| No. of ports | 1 |
| Connection method | 9-pos. D-SUB socket |

PROFINET IO

| | |
|------------------------|------------------------|
| Device function | PROFINET-Proxy |
| Specification | PROFINET RT, spec. 3.2 |
| Update rate | min. 1 ms |

Function

| | |
|---|--|
| PROFINET IO device function | PROFINET-Proxy |
| PROFINET IO specification | PROFINET RT, spec. 3.2 |
| PROFINET IO conformance class | B |
| Status and diagnostic indicators | 7-segment display/ diagnostics LEDs |
| Number of supported devices | max. 512 (Depending on the control class and data direction) |
| Amount of process data | 512 words |
| Number of devices with parameter channel | max. 126 (512 words) |

Supply voltage

| | |
|------------------------------------|--|
| Supply voltage | 24 V DC |
| Residual ripple | 3.6 V _{pp} (within the permitted voltage range) |
| Supply voltage range | 18.5 V DC ... 30.2 V DC |
| Typical current consumption | typ. 350 mA |

Conformity with EMC directives

| | |
|--|--|
| Developed in acc. with standard | IEC 61000-6.2 |
| Test standard | IEC 61000-4-2 (ESD) |
| Test result | Criterion B |
| Test standard | IEC 61000-4-3 (immunity to radiated interference) |
| Test result | Criterion A |
| Test standard | IEC 61000-4-4 (burst) |
| Test result | Criterion B |
| Test standard | IEC 61000-4-5 (surge) |
| Test result | Criterion B |
| Test standard | IEC 61000-4-6 (immunity to conducted interference) |

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Technical data

Conformity with EMC directives

| | |
|----------------------|---------------------------------|
| Test result | Criterion A |
| Test standard | EN 55011 (emitted interference) |
| Test result | Class A |

General

| | |
|-----------------------|--------------------|
| Mounting type | DIN rail |
| Type AX | Stand-alone |
| Weight | 737.6 g |
| Noise emission | EN 55011 / Class A |

classifications

eCl@ss

| | |
|-------------------|----------|
| eCl@ss 4.0 | 27250501 |
| eCl@ss 4.1 | 27250501 |
| eCl@ss 5.0 | 27250501 |
| eCl@ss 5.1 | 27250501 |
| eCl@ss 6.0 | 27250501 |
| eCl@ss 7.0 | 27250501 |
| eCl@ss 8.0 | 19170125 |

ETIM

| | |
|-----------------|----------|
| ETIM 2.0 | EC001434 |
| ETIM 3.0 | EC001604 |
| ETIM 4.0 | EC001478 |
| ETIM 5.0 | EC001478 |


UNSPSC

| | |
|----------------------|----------|
| UNSPSC 6.01 | 43172015 |
| UNSPSC 7.0901 | 43201404 |
| UNSPSC 11 | 43172015 |
| UNSPSC 12.01 | 43201410 |
| UNSPSC 13.2 | 43201410 |

approvals

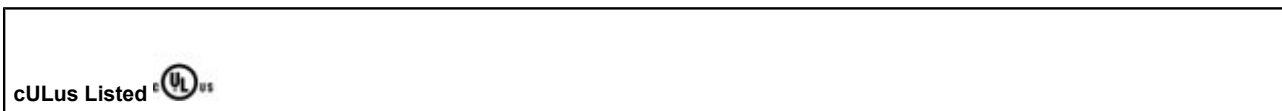
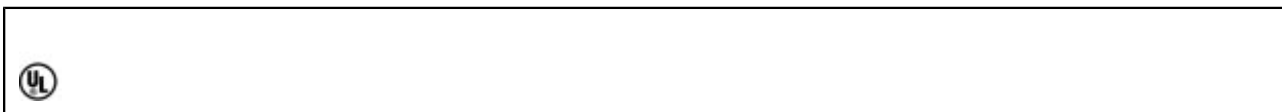
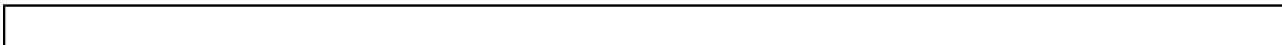
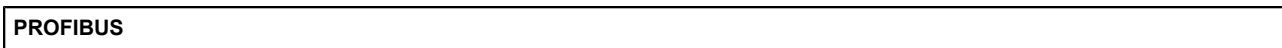
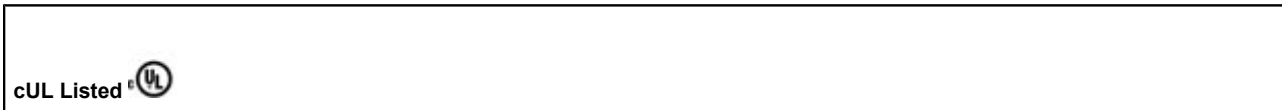
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Approval details

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|  |
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approvals



accessories

Parameterization memory

CF FLASH 256MB - 2988780



CF FLASH 2GB - 2701185



Configuration and diagnostics

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accessories

CONFIG+ OEM - 2700779



CONFIG+ DEMO - 2868046



CONFIG+ - 2868059



CONFIG+ CPY - 2868062



Device parameterization

AX+ BASIC - 2985068



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accessories

AX DTM LIB - 2988065



Drawings

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