

# FL NP PND-4TX IB

Order No.: 2985974




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



## Commercial data

GTIN (EAN)	 4 046356 168939
sales group	K002
Pack	1 pcs.
Customs tariff	85389091
Catalog page information	Page 34 (AX-2011)

## Product notes

WEEE/RoHS-compliant since:  
01/15/2008



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## 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 IO update rates  $\geq 1$  ms

#### Technical data

##### Interfaces

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

##### PROFINET IO

Device function	PROFINET IO-Proxy
Specification	PROFINET-IO RT, Spec. 2.1
Update rate	min. 1 ms

##### Function

Status and diagnostic indicators	7-segment display/ diagnostics LEDs
Number of supported devices	max. 512 (Depending on the control class and data direction)
Number of process data	512 words
Number of devices with parameter channel (PCP)	max. 126 (512 words)

##### Supply voltage

Supply voltage	24 V DC
Residual ripple	3.6 V <sub>PP</sub> (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)
Test result	Criterion A
Test standard	EN 55011 (emitted interference)
Test result	Class A

**General data**

Width	128 mm
Height	95 mm
Depth	69 mm
Mounting type	DIN rail
Type AX	Stand-alone
Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Permissible humidity (operation)	10 % ... 95 % (no condensation)
Permissible humidity (storage/transport)	10 % ... 95 % (no condensation)
Air pressure (operation)	80 kPa ... 108 kPa (2000 above sea level)
Air pressure (storage/transport)	66 kPa ... 108 kPa (3000 above sea level)
Noise emission	EN 55011 / Class A

**Certificates / Approvals**



Certification

CUL Listed, UL Listed

**Accessories**

Item	Designation	Description
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**Memory**

2988780	CF FLASH 256MB	Program and configuration memory, plug-in, 256 MB
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**Address**

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