

# FL NP PND-4TX IB-LK - Proxy



2985929

<https://www.phoenixcontact.com/us/products/2985929>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Proxy for PROFINET-RT, G4 functionality, INTERBUS proxy for fiber optics 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  $\geq 1$  ms

## Your advantages

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

## Commercial data

Item number	2985929
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR14
Product key	DREBAA
Catalog page	Page 359 (C-6-2019)
GTIN	4046356131612
Weight per piece (including packing)	749.1 g
Weight per piece (excluding packing)	737.6 g
Customs tariff number	85176200
Country of origin	DE

## Technical data

### Product properties

Type	Stand-Alone
Product type	Gateways/Proxies

### System properties

#### INTERBUS-Master

Amount of process data	512 words
Number of supported devices	max. 512 (Depending on the control class and data direction)
Number of devices with parameter channel	max. 126 (512 words)

#### INTERBUS-Slave

Amount of process data	512 words
Number of PCP words	512 words

#### Functionality

Number of I/O nodes	8192
---------------------	------

### Electrical properties

Maximum power dissipation for nominal condition	8.4 W
---	-------

#### Supply

Supply voltage (DC)	24 V DC
Supply voltage range	18.5 V DC ... 30.2 V DC
Power supply connection	Via COMBICON, max. conductor cross section 2.5 mm <sup>2</sup>
Residual ripple	3.6 V <sub>PP</sub> (within the permitted voltage range)
Typical current consumption	typ. 350 mA

### Interfaces

#### Ethernet

Connection method	RJ45 jack
Transmission speed	10/100 Mbps
Transmission length	100 m
No. of channels	4

#### INTERBUS (Master)

Bus system	INTERBUS
Connection method	F-SMA connector
Transmission speed	500 kbps / 2 Mbps (can be switched)
Transmission physics	FO
No. of channels	1

### Signaling

Status display	7-segment display/ diagnostics LEDs
----------------	-------------------------------------

## Dimensions

Width	128 mm
Height	95 mm
Depth	69 mm

## Environmental and real-life conditions

### 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)
Vibration (operation)	5g, accordance to IEC 60068-2-6
Air pressure (operation)	80 kPa ... 108 kPa (2000 m above mean sea level)
Air pressure (storage/transport)	66 kPa ... 108 kPa (3000 m above sea level)

## EMC data

Conformance with EMC directives	Immunity test in accordance with EN 61000-6-2/IEC 61000-6-2 Electrostatic discharge (ESD)EN 61000-4-2/IEC 61000-4-2 Criterion B, ±6 kV contact discharge, ±8 kV air discharge
	Immunity test in accordance with EN 61000-6-2/IEC 61000-6-2 Electromagnetic fieldsEN 61000-4-3/IEC 61000-4-3 Criterion A, Field intensity: 10 V/m
	Immunity test in accordance with EN 61000-6-2/IEC 61000-6-2 Fast transients (burst)EN 61000-4-4/IEC 61000-4-4 Criterion A, all interfaces ±1 kVCriterion B, all interfaces ±2 kV
	Immunity test in accordance with EN 61000-6-2/IEC 61000-6-2 Transient overvoltage (surge)EN 61000-4-5/IEC 61000-4-5 Criterion B, supply lines DC: 0.5 kV/0.5 kV (symmetrical/asymmetrical), fieldbus cable shield 1 kV
	Immunity test in accordance with EN 61000-6-2/IEC 61000-6-2 Conducted interferenceEN 61000-4-6/IEC 61000-4-6 Criterion A, Test voltage 10 V
	Noise emission test in accordance with EN 61000-6-4/IEC 61000-6-4 EN 55011 Class A
Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU

## Mounting

Mounting type	DIN rail mounting
---------------	-------------------

2985929

<https://www.phoenixcontact.com/us/products/2985929>

## Classifications

### ECLASS

ECLASS-11.0	19170405
ECLASS-12.0	19170405
ECLASS-13.0	19170405

### ETIM

ETIM 9.0	EC001478
----------	----------

### UNSPSC

UNSPSC 21.0	43222600
-------------	----------

# FL NP PND-4TX IB-LK - Proxy



2985929

<https://www.phoenixcontact.com/us/products/2985929>

## Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

Phoenix Contact 2024 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)