

Proxy - FL NP PND-4TX IB-LK - 2985929

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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 ≥ 1 ms

Product Features

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



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	760.0 g
Custom tariff number	85176200
Country of origin	Germany

Technical data

Note

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

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Technical data

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)
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	F-SMA connector
Transmission physics	FO

PROFINET

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
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Technical data

Supply voltage

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

General

Mounting type	DIN rail mounting
Type AX	Stand-alone
Net weight	753.5 g

Standards and Regulations

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
Noise emission	EN 55011 / Class A
Vibration (storage/transport)	5g
Free from substances that could impair the application of coating	Yes
Vibration (operation)	5g, accordance to IEC 60068-2-6

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	19170103

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Classifications

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

Approvals

Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

Approvals submitted

Approval details

UL Listed

cUL Listed

EAC

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Approvals

cULus Listed 