

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

package_quantity	1
GTIN	4046356131612

Technical data

Note:

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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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 % (no condensation)
Permissible humidity (storage/transport)	10 % ... 95 % (no condensation)

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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	F-SMA connector
Transmission physics	FO

PROFINET IO

Device function	PROFINET-Proxy
Specification	PROFINET RT, spec. 3.2
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)
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)
Test result	Criterion A
Test standard	EN 55011 (emitted interference)

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Technical data

Conformity with EMC directives

Test result	Class A
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General

Mounting type	DIN rail
Type AX	Stand-alone
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

UL Listed / cUL Listed / PROFIBUS / PROFIBUS / UL Listed / cUL Listed / cULus Listed /

Approval details

UL Listed 

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approvals



PROFIBUS



accessories

Parameterization memory

CF FLASH 256MB - 2988780



CF FLASH 2GB - 2701185



Connector set

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accessories

PSM-SET-FSMA/4-HCS - 2799487



PSM-SET-FSMA/4-KT - 2799720



Configuration and diagnostics

CONFIG+ OEM - 2700779



CONFIG+ DEMO - 2868046



CONFIG+ - 2868059



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accessories

CONFIG+ CPY - 2868062



Device parameterization

AX+ BASIC - 2985068



AX DTM LIB - 2988065



Drawings

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