FL NP PND-4TX IB - Proxy

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

Your advantages

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

ELEKTROGERÄTE RÜCKNAHME

Commercial data

Item number	2985974
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR14

Product key	DREBAA
GTIN	4046356168939
Weight per piece (including packing)	770.8 g
Weight per piece (excluding packing)	737.6 g
Customs tariff number	85176200
Country of origin	DE

Technical data

Notes

Note on application

Note on application	Only for industrial use

Product properties

Product type	Gateways/Proxies
Type	Stand-alone

System properties

INTERBUS-Slave

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 mm²
Residual ripple	3.6 V_{PP} (within the permitted voltage range)
Typical current consumption	typ. 350 mA
Ground connection	Via DIN rail

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	9-pos. D-SUB socket
Transmission speed	500 kbps / 2 Mbps (can be switched)
No. of channels	1

Signaling

Status display	7-segment display/ diagnostics LEDs

Dimensions

Width	128 mm
Height	95 mm
Depth	69 mm

Material specifications

Color	Steel/stainless steel color

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

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
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

Mounting

Mounting type	DIN rail mounting

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2985974

UL Listed
Approval ID: E140324

cUL Listed
Approval ID: E140324

Classifications

ECLASS

ECLASS-13.0	19170405
ECLASS-15.0	19170405

ETIM

ETIM 10.0	EC001478

UNSPSC

UNSPSC 21.0	43222600

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	ed67e39a-3bed-4f7d-aa15-22b995fcb3c4

EF3.1 Climate Change

CO2e kg	35.378 kg CO2e

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