

# FB-HSB-DP/PA - Converter



2316370

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PROFIBUS DP to PROFIBUS  
PA coupler

PROFIBUS DP to PROFIBUS PA coupler system for integration and diagnostics of PROFIBUS PA in PROFIBUS DP. Includes the one-network head station unit (FB-HSB), PROFIBUS DP repeater (FB-DP-RPTR), and PROFIBUS PA interface module with oscilloscope functionality.

## Product description

PROFIBUS coupler/link products transparently convert PROFIBUS DP to PROFIBUS PA, while providing detailed network diagnostics and an oscilloscope feature for PROFIBUS PA

## Your advantages

- Powerful, embedded web server for configuration and access to network diagnostics
- Manage and configure PROFIBUS field devices using FDT/DTM
- Auto detect any baud rate up to 12 Mbps transparently
- One communication interface module can drive up to ten individual PROFIBUS DP or PROFIBUS PA modules

## Commercial data

Item number	2316370
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN11
Product key	DNC135
GTIN	4055626020471
Weight per piece (including packing)	850.4 g
Weight per piece (excluding packing)	882.4 g
Customs tariff number	85176200
Country of origin	NL

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## Set consists of

### FB-DP-RPTR - Repeater

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PROFIBUS DP interface/repeater module

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### FB-PA/SC - Repeater

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PROFIBUS PA interface module with oscilloscope

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## FB-HSB - Converter

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Head station for monitoring one PROFIBUS network

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## Technical data

### Notes

#### Note on application

Note on application	Only for industrial use
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### Product properties

Product type	Device coupler
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### Electrical properties

#### Supply

Supply voltage range	10.8 V DC ... 26.4 V DC
Max. current consumption	800 mA

### Connection data

#### Supply

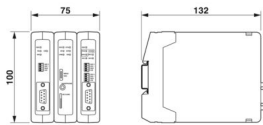
Conductor cross-section, flexible	0.20 mm <sup>2</sup> ... 2.50 mm <sup>2</sup>
Conductor cross-section, rigid	0.20 mm <sup>2</sup> ... 2.50 mm <sup>2</sup>
Conductor cross-section AWG	24 ... 12

### Interfaces

#### Data: Ethernet

Connection method	RJ45
No. of channels	1
Conductor cross-section flexible max.	2.5 mm <sup>2</sup>
Conductor cross-section flexible min.	0.2 mm <sup>2</sup>
Conductor cross-section, rigid max.	2.5 mm <sup>2</sup>
Conductor cross-section, rigid min.	0.2 mm <sup>2</sup>
Conductor cross-section AWG max.	12
Conductor cross-section AWG min.	24

### Dimensions

Dimensional drawing	
Width	75 mm
Height	100 mm
Depth	132 mm

### Material specifications

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Color	green
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 60 °C
Altitude	2000 m
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)

## Approvals

### Conformity/Approvals

UL, USA / Canada	UL 508 Listed
UL, Canada	CSA C22.2 No. 142

## Standards and regulations

### Standards/regulations

Standards/regulations	Ring wave noise immunity in acc. with IEC 61000-4-12
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### Standards/regulations

Standards/regulations	Dry heat in acc. with IEC 61131-2
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### Standards/regulations

Standards/regulations	Damp heat in acc. with IEC 61131-2
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### Standards/regulations

Standards/regulations	Shock and vibration in acc. with EN 61131-2 and EN 50178
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### PROFIBUS standardization

Standards/regulations	IEC 61158-2
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## Mounting

Mounting type	DIN rail: 35 mm
Mounting position	on horizontal DIN rail NS 35 in acc. with EN 60715

# FB-HSB-DP/PA - Converter

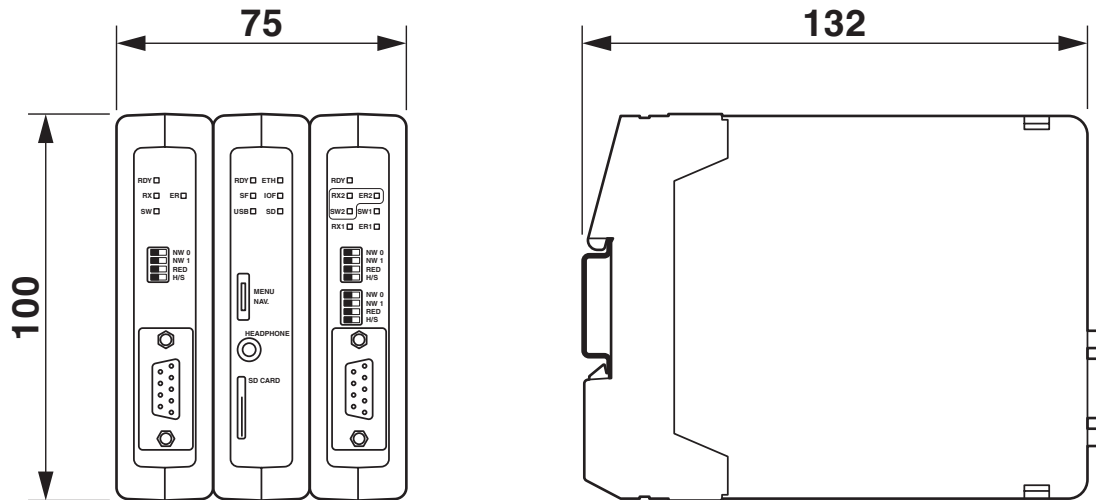
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## Drawings

Dimensional drawing



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## Classifications

### ECLASS

ECLASS-13.0

27242608

### ETIM

ETIM 9.0

EC001604

### UNSPSC

UNSPSC 21.0

32151600

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## Environmental product compliance

### 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.)	No substance above 0.1 wt%
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