

## Converter - FB-HSB-DP/PA - 2316370

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



PROFIBUS DP to PROFIBUS PA coupler

PROFIBUS DP to PROFIBUS PA  
coupler

### 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

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



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 020471
GTIN	4055626020471
Weight per Piece (excluding packing)	882.400 g
Custom tariff number	85176200
Country of origin	Netherlands

### Technical data

#### Dimensions

Width	75 mm
Height	100 mm
Depth	132 mm

#### Ambient conditions

Ambient temperature (operation)	-20 °C ... 60 °C
---------------------------------	------------------

# Converter - FB-HSB-DP/PA - 2316370

## Technical data

### Ambient conditions

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

### General

Mounting position	On horizontal DIN rail NS 35 in acc. with EN 60715
Net weight	882.4 g
Color	green
UL, USA/Canada	UL 508 Listed
UL, Canada	CSA C22.2 No. 142

### Power supply

Supply voltage range	10.8 V DC ... 26.4 V DC
Max. current consumption	800 mA
Conductor cross section flexible max.	2.50 mm <sup>2</sup>
Conductor cross section flexible min.	0.20 mm <sup>2</sup>
Conductor cross section solid max.	2.50 mm <sup>2</sup>
Conductor cross section solid min.	0.20 mm <sup>2</sup>
Conductor cross section AWG max.	12
Conductor cross section AWG min.	24

### Interfaces

Interface 1	Ethernet
Interface	10/100 Mbps Ethernet
No. of ports	1
Connection method	RJ45
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12

### Standards and Regulations

Designation	Standards/regulations
Standards/regulations	Ring wave noise immunity in acc. with IEC 61000-4-12
Designation	Standards/regulations
Standards/regulations	Dry heat in acc. with IEC 61131-2
Designation	Standards/regulations
Standards/regulations	Damp heat in acc. with IEC 61131-2
Designation	Standards/regulations

## Converter - FB-HSB-DP/PA - 2316370

### Technical data

#### Standards and Regulations

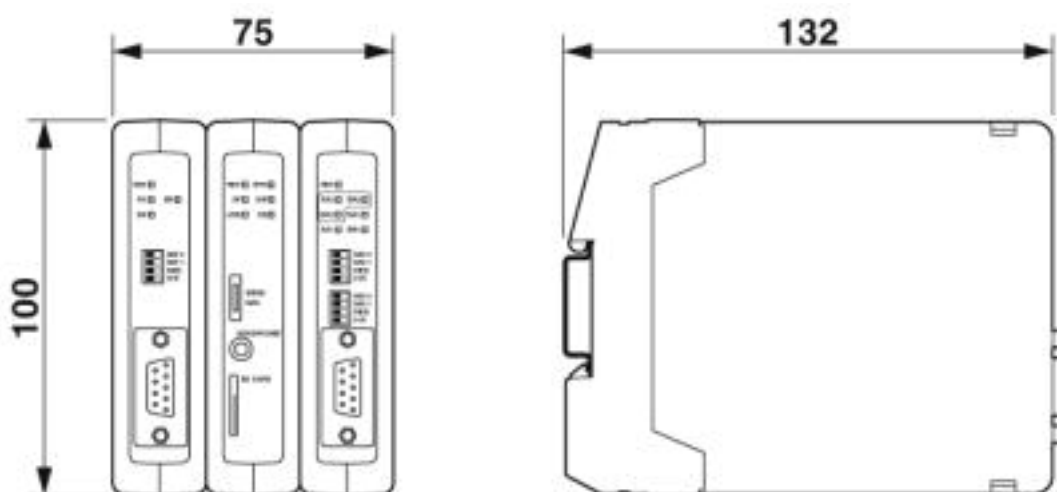
Standards/regulations	Shock and vibration in acc. with EN 61131-2 and EN 50178
Designation	PROFIBUS standardization
Standards/regulations	IEC 61158-2
UL, USA/Canada	UL 508 Listed
UL, Canada	CSA C22.2 No. 142

#### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

### Drawings

Dimensional drawing



### Articles in set

Repeater - FB-DP-RPTR - 2316373



PROFIBUS DP interface/repeater module

## Converter - FB-HSB-DP/PA - 2316370

### Articles in set

Repeater - FB-PA/SC - 2316375



PROFIBUS PA interface module with oscilloscope

Converter - FB-HSB - 2316379



Head station for monitoring one PROFIBUS network

## Classifications

### eCl@ss

eCl@ss 5.0	27242200
eCl@ss 5.1	27242200
eCl@ss 6.0	27242600
eCl@ss 7.0	27242608
eCl@ss 8.0	27242608
eCl@ss 9.0	27242608

### ETIM

ETIM 5.0	EC001604
ETIM 6.0	EC001604
ETIM 7.0	EC001604

### UNSPSC

UNSPSC 13.2	32151602
UNSPSC 18.0	32151602
UNSPSC 19.0	32151602
UNSPSC 20.0	32151602
UNSPSC 21.0	32151602

## Accessories

Accessories

Device coupler

## Converter - FB-HSB-DP/PA - 2316370

### Accessories

Repeater - FB-DP-RPTR - 2316373



PROFIBUS DP interface/repeater module

---

Repeater - FB-DP-RPTR/SC - 2316374



PROFIBUS DP interface/repeater module with oscilloscope functionality

---

Repeater - FB-PA/SC - 2316375



PROFIBUS PA interface module with oscilloscope

---

Converter - FB-HSC - 2316371



Head station for monitoring up to four PROFIBUS networks

---

### Media converter

FO converters - FB-MM-FO/ST - 1074671



Multi-mode fiber optic converter to be used with the FB-HSB-DP/PA station. These fiber optic modules provide longer distances between FB-HSB-DP/PA stations, reduce noise, allow multiple topologies, as well as ring redundancy.

---

## Converter - FB-HSB-DP/PA - 2316370

### Accessories

FO converters - FB-SM-FO/ST - 1086569



Single-mode fiber optic converter to be used with the FB-HSB-DP/PA station. These fiber optic modules provide longer distances between FB-HSB-DP/PA stations, reduce noise, allow multiple topologies, as well as ring redundancy.

---

### Power module

Power module - FB-HSP-PLUG/24DC/6A - 2316383



PROFIBUS power module