# FB-HSB-DP/PA - Converter

2316370

https://www.phoenixcontact.com/us/products/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

ELEKTROGERÄTE RÜCKNAHME

## 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 |

## Set consists of

### FB-DP-RPTR - Repeater

2316373

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PROFIBUS DP interface/repeater module

### FB-PA/SC - Repeater

2316375

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PROFIBUS PA interface module with oscilloscope

# FB-HSB-DP/PA - Converter

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## FB-HSB - Converter

2316379

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Head station for monitoring one PROFIBUS network

## Technical data

### Notes

Note on application

| | |
|---|---|
| Note on application | Only for industrial use |

### Product properties

| | |
|---|---|
| Product type | Device coupler |

### Electrical properties

Supply

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

### Connection data

Supply

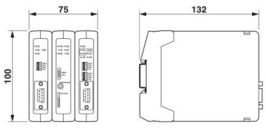
| | |
|---|---|
| Conductor cross-section, flexible | 0.20 mm² ... 2.50 mm² |
| Conductor cross-section, rigid | 0.20 mm² ... 2.50 mm² |
| Conductor cross-section AWG | 24 ... 12 |

### Interfaces

Data: Ethernet

| | |
|---|---|
| Connection method | RJ45 |
| No. of channels | 1 |
| Conductor cross-section flexible max. | 2.5 mm² |
| Conductor cross-section flexible min. | 0.2 mm² |
| Conductor cross-section, rigid max. | 2.5 mm² |
| Conductor cross-section, rigid min. | 0.2 mm² |
| 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

| | |
|---|---|
| Color | green |

## 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 |

Standards/regulations

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

Standards/regulations

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

Standards/regulations

| | |
|---|---|
| Standards/regulations | Shock and vibration in acc. with EN 61131-2 and EN 50178 |

PROFIBUS standardization

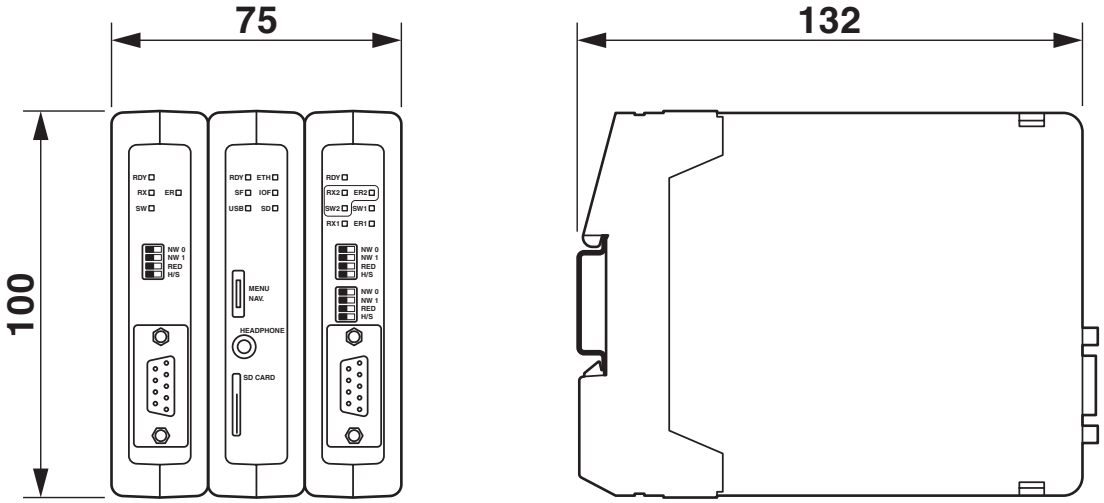
| | |
|---|---|
| Standards/regulations | IEC 61158-2 |

## Mounting

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

## Drawings

Dimensional drawing



## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27242608 |

### ETIM

| | |
|---|---|
| ETIM 9.0 | EC001604 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 32151600 |

## 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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