

# FB-HSB-DP-SC - Repeater

2316382

<https://www.phoenixcontact.com/us/products/2316382>



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PROFIBUS DP coupler system for integration and diagnostics of PROFIBUS DP. Includes the one-network head station unit (FB-HSB), PROFIBUS DP repeater with oscilloscope (FB-DP-RPTR/SC).

## Product description

PROFIBUS head station with a PROFIBUS DP repeater provides network diagnostics and an oscilloscope feature.

## Your advantages

- Powerful, embedded web server for configuration and access to network diagnostics
- Manage and configure PROFIBUS field devices using FDT/DTM
- 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

## Commercial data

Item number	2316382
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	DN11
Product key	DNC135
GTIN	4055626287973
Weight per piece (including packing)	22.22 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85176200
Country of origin	NL

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## Set consists of

### FB-DP-RPTR/SC - Repeater

2316374

<https://www.phoenixcontact.com/us/products/2316374>

PROFIBUS DP interface/repeater module with oscilloscope functionality



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### FB-HSB - Converter

2316379

<https://www.phoenixcontact.com/us/products/2316379>

Head station for monitoring one PROFIBUS network



## 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

### Material specifications

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
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)

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## 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

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## Classifications

### ECLASS

ECLASS-13.0	27242608
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### ETIM

ETIM 9.0	EC001604
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### UNSPSC

UNSPSC 21.0	32151600
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Environmental product compliance

China RoHS	
Environment friendly use period (EFUP)	<div>EFUP-50</div> <div>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.</div>
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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