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
Note	Made to order (non-returnable)
Sales key	DN11
Product key	DNC135
Catalog page	Page 460 (C-6-2019)
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

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PROFIBUS DP interface/repeater module with oscilloscope functionality



FB-HSB - Converter

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



Head station for monitoring one PROFIBUS network

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## Technical data

#### Product properties

Product type	Device coupler		
Electrical properties			
Electrical properties			
Supply			
Supply voltage range	10.8 V DC 26.4 V DC		
Max. current consumption	800 mA		
Connection data			
Connection data			
Supply			
Conductor cross section, flexible	0.20 mm² 2.50 mm²		
Conductor cross section, rigid	0.20 mm <sup>2</sup> 2.50 mm <sup>2</sup>		
Conductor cross section AWG	24 12		
Interfaces			
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 mm <sup>2</sup>		
Conductor cross section, rigid min.	0.2 mm²		

### Material specifications

Color	green
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#### Environmental and real-life conditions

Conductor cross section AWG max.

Conductor cross section AWG min.

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)

#### Approvals

Conformity/Approvals	
UL, USA / Canada	UL 508 Listed

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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		

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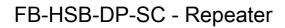
# Classifications

#### ECLASS

ECLASS-11.0	27242608
ECLASS-12.0	27242608
ECLASS-13.0	27242608

#### ETIM

	ETIM 9.0	EC001604
UNSPSC		
	UNSPSC 21.0	32151600



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## Environmental product compliance

China RoHS

Environmentally Friendly Use Period = 50 years For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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