

FB-HSB-DP-SC - Repeater



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

2316374

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

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
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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 ² ... 2.50 mm ²
Conductor cross section, rigid	0.20 mm ² ... 2.50 mm ²
Conductor cross section AWG	24 ... 12

Interfaces

Data: Ethernet

Connection method	RJ45
No. of channels	1
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section, rigid max.	2.5 mm ²
Conductor cross section, rigid min.	0.2 mm ²
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)

Approvals

Conformity/Approvals

UL, USA / Canada	UL 508 Listed
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UL, Canada	CSA C22.2 No. 142
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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-11.0	27242608
ECLASS-12.0	27242608
ECLASS-13.0	27242608

ETIM

ETIM 9.0	EC001604
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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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