

# FB-DP-RPTR - Repeater

2316373

<https://www.phoenixcontact.com/us/products/2316373>

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## PROFIBUS DP interface/repeater module



## Product description

PROFIBUS DP repeater expansion module for the PROFIBUS DP/PA coupler system

## Your advantages

- No bus addressing of device required
- Automatic detection of baud rate up to 12 Mbps
- Integrated switchable terminator
- Supported protocols: DP-V0, V1, V2, FDL, MPI, FMS and Profisafe

## Commercial data

Item number	2316373
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN11
Product key	DNC135
GTIN	4055626020495
Weight per piece (including packing)	276.5 g
Weight per piece (excluding packing)	276.5 g
Customs tariff number	85176200
Country of origin	NL

## 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	Supplied via backplane
Typical current consumption	± 160 mA
Max. current consumption	270 mA

### Connection data

#### Supply

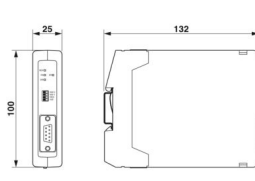
Connection method	Bus base module
Conductor cross-section, flexible	0.20 mm <sup>2</sup> ... 2.50 mm <sup>2</sup>
Conductor cross-section, rigid	0.20 mm <sup>2</sup> ... 2.50 mm <sup>2</sup>
Conductor cross-section AWG	24 ... 12

### Interfaces

#### Data: PROFIBUS DP

Transmission speed	12 Mbps (100 m cable length)
	1.5 Mbps (200 m cable length)
	500 kbps (400 m cable length)
	187.5 kbps (1000 m cable length)
Transmission speed range	9.6 kbps ... 93.75 kbps (1200 m cable length)
Termination resistor	390 Ω - 220 Ω - 390 Ω (switchable)

### Dimensions

Dimensional drawing	
Width	25 mm
Height	100 mm
Depth	132 mm

## 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
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
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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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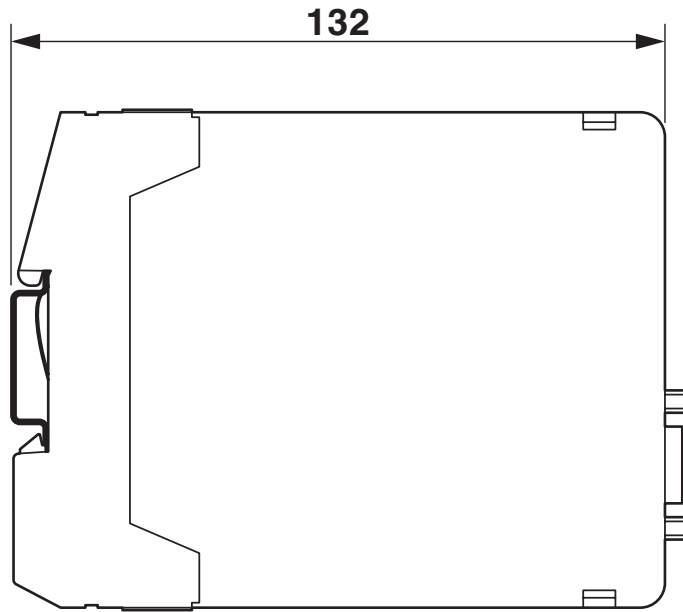
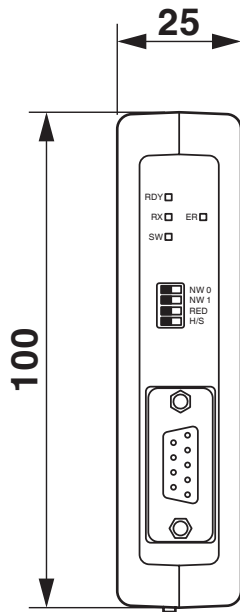
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## Drawings

Dimensional drawing



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## Classifications

### ECLASS

ECLASS-13.0

27242608

### ETIM

ETIM 9.0

EC001604

### UNSPSC

UNSPSC 21.0

32151600

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## 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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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)