

FB-DP-RPTR - Repeater

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

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

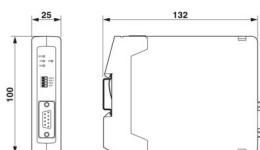
Interfaces

Data: 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

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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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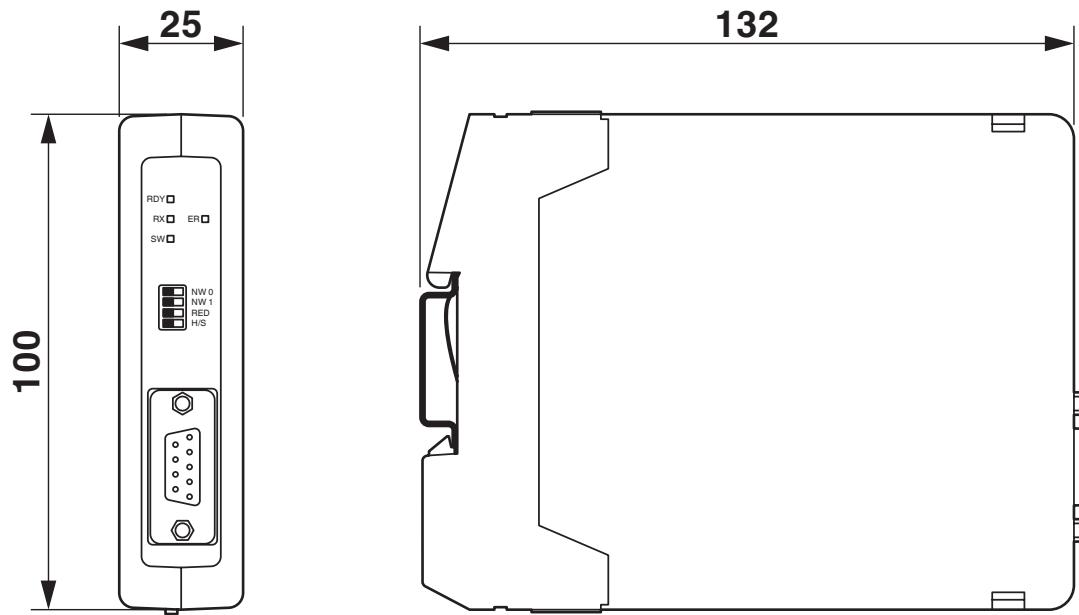
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Drawings

Dimensional drawing



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Classifications

ECLASS

ECLASS-13.0	27242608
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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)	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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