

# RAD-ISM-TW-PB-GATEWAY - Wireless module



2917366

<https://www.phoenixcontact.com/us/products/2917366>

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PROFIBUS coupler for wireless network consisting of RAD-ISM-2400-DATA-BD-BUS wireless modules at the PROFIBUS-DP (max. 12 Mbps)

## Your advantages

- GSD file with predefined software modules
- Maximum PROFIBUS speed of up to 12 Mbps
- Cyclic data exchange of non-time-critical IO signals
- Connection of up to ten wireless stations
- Can only be used in conjunction with the RAD-ISM-2400-DATA-BD-BUS wireless module
- Easy diagnostics for the wireless network in PROFIBUS

## Commercial data

Item number	2917366
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DNC65Z
GTIN	4046356412018
Weight per piece (including packing)	225.8 g
Weight per piece (excluding packing)	225.8 g
Country of origin	DE

## Technical data

### Notes

#### Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
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### Product properties

Product type	Gateways/Proxies
Operating mode	100% operating factor

### Electrical properties

Insulation voltage PROFIBUS side / equipment electronics	500 V AC (1 min.)
Maximum power dissipation for nominal condition	1.2 W
Test voltage data interface/power supply	500 V AC

#### Supply

Nominal supply voltage	24 V DC -20 % ... +25 % ( $U_B$ )
Typical current consumption	50 mA (plus load current of an output)
Protective circuit	Polarity protection, surge protection

### Input data

#### Digital

Input voltage	24 V DC $\pm$ 20 %
Nominal input current at $U_{IN}$	typ. 50 mA (plus load current of an output)
Protective circuit	Polarity protection, surge protection

### Output data

#### Digital

Output name	Digital outputs
Number of outputs	1
Residual voltage	< 0.5 V DC ( $U_{Rest}$ at $I_N$ )
Maximum switching voltage	24 V DC $\pm$ 20 % ( $U_B - U_{Resid.}$ of output)
Max. switching current	150 mA
Protective circuit	Polarity protection, surge protection; Freewheeling diode
Connection method	COMBICON

### Connection data

#### Supply

Connection method	COMBICON
Tightening torque	0.56 Nm ... 0.79 Nm

### Interfaces

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Signal	PROFIBUS
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## Data: RS-232 interface, (V.24)

Transmission speed	57.6 kbps
Connection method	COMBICON
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.	14
Conductor cross-section AWG min.	24

## Data: PROFIBUS DP

Data rate	12 MBit/s
Connection method	D-SUB-9

## Dimensions

Width	35 mm
Height	114.5 mm
Depth	99 mm

## Material specifications

Color (Housing)	green (RAL 6021)
Material (Housing)	Polycarbonate

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 65 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

## Mounting

Assembly note	in rows with zero spacing
Mounting position	any

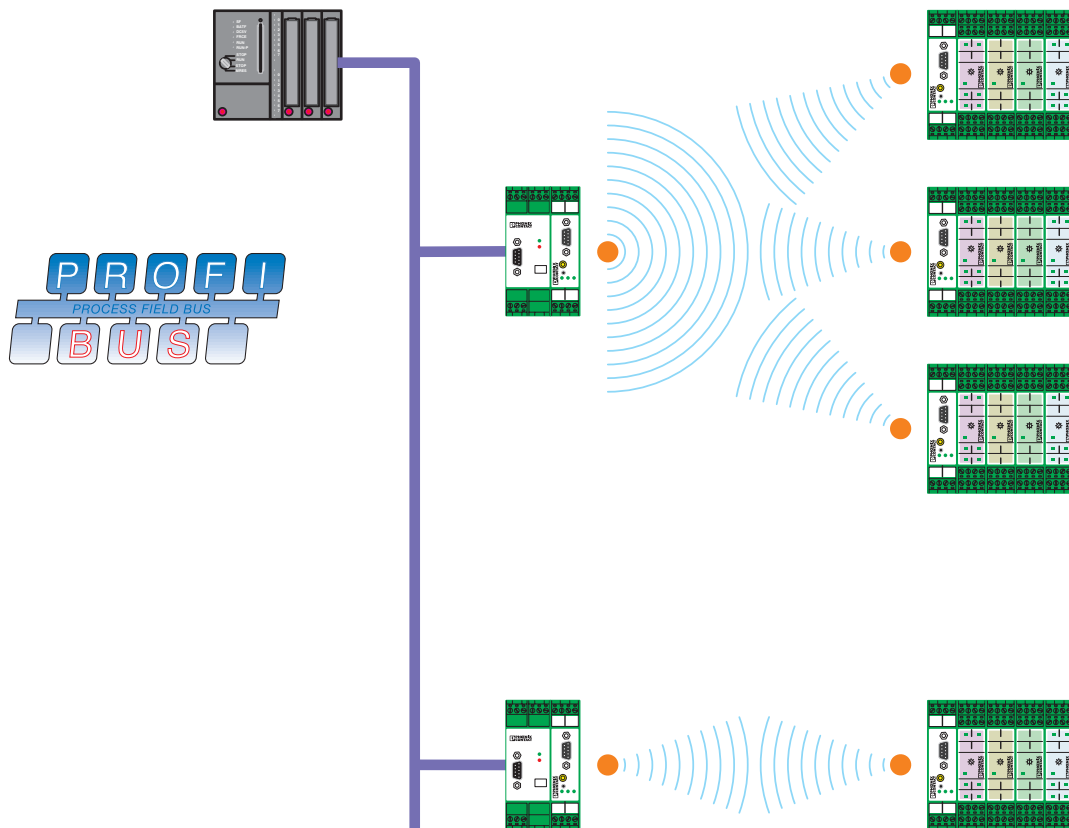
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## Drawings

Application drawing



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Block diagram



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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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