

# EM-PB-GATEWAY-IFS - Data interface



2297620

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Gateway for the connection of up to 32 Interface system devices to a higher-level controller via PROFIBUS DP. The Interface system devices are connected to the gateway via DIN rail connectors. The DIN rail connectors are provided.

## Your advantages

- 8 digital inputs and 4 outputs can be freely parameterized
- Certified according to DPV1 specification (EN 50170)
- Failsafe mode supported
- Digital switching outputs for direct control of the EMM...IFS (forward/reverse running)
- Communication via TBUS with up to 31 EMM...IFS modules

## Commercial data

Item number	2297620
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C477
Product key	DK7721
GTIN	4046356319652
Weight per piece (including packing)	221 g
Weight per piece (excluding packing)	149.61 g
Customs tariff number	85176200
Country of origin	DE

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## 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

#### Insulation characteristics

Overvoltage category	III
Pollution degree	2

### Electrical properties

#### Supply

Nominal supply voltage	24 V DC
Rated control supply current $I_S$	85 mA (plus load current of the outputs)

### Input data

#### Digital

Number	8
Rated actuating voltage $U_C$	24 V DC $\pm 20$ %
Rated actuating current $I_C$	3 mA
Protective circuit	Reverse polarity protection
	Surge protection

### Output data

#### Digital: Switching outputs

Number	4
Residual voltage	1 V
Maximum switching voltage	23 V DC ( $U_B - U_{resid.}$ of the output)
Max. switching current	500 mA
Protective circuit	Parallel protection against polarity reversal, pay attention to the fuse (Fusing with max. 8 A F-fuse)

### Connection data

#### Supply

Connection method	Push-in connection
Stripping length	10 mm
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>

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Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section AWG	24 ... 12

## Input

Connection method	Push-in connection
Stripping length	10 mm
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section AWG	24 ... 12

## Output

Connection method	Push-in connection
Stripping length	10 mm
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section AWG	24 ... 12

## Programming connection

Connection method	S-PORT (socket)
Number of connections	1
Number of positions	12

## INTERFACE system

Connection method	DIN rail bus connector
Number of connections	1
Number of positions	5

## PROFIBUS DP

Connection method	D-SUB
Number of connections	1
Number of positions	9

## Interfaces

### Data: Network interface

Communication protocol	PROFIBUS DP
Connection method	D-SUB socket strip
Number of connections	1
Number of positions	9
Transmission speed	12 Mbps

### Data: Service interface

Communication protocol	Interface-System
Connection method	S-PORT (socket)
Number of connections	1
Number of positions	12

### Data: Device bus

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Communication protocol	Interface-System
Connection method	DIN rail bus connector
Number of connections	1
Number of positions	5
Transmission speed	76.8 kbps

## Dimensions

Width	22.5 mm
Height	107.8 mm
Depth	113.8 mm

## Material specifications

Color	gray (RAL 7042)
Housing material	Polyamide PA non-reinforced

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-35 °C ... 50 °C
Ambient temperature (storage/transport)	-35 °C ... 80 °C

## Standards and regulations

Standards/regulations	EN 61000-6-2
	EN 61000-6-4

## Mounting

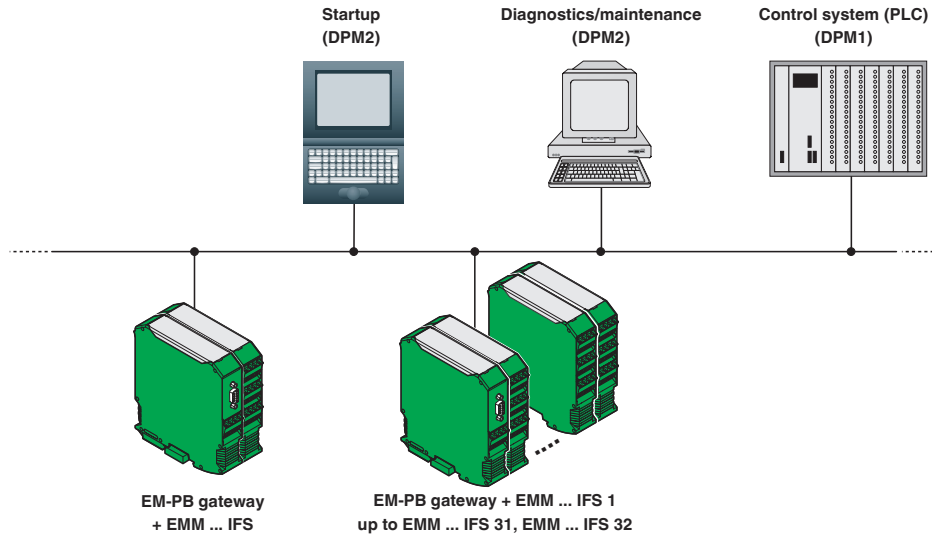
Mounting type	DIN rail mounting
Assembly note	in rows with zero spacing
Mounting position	any

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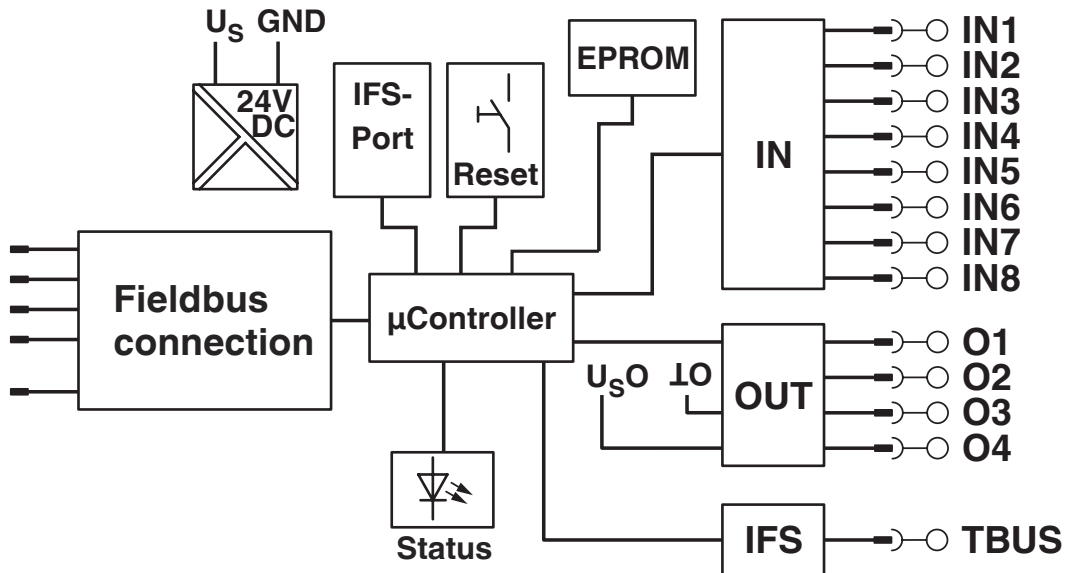
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## Drawings

### Application drawing



### Block diagram



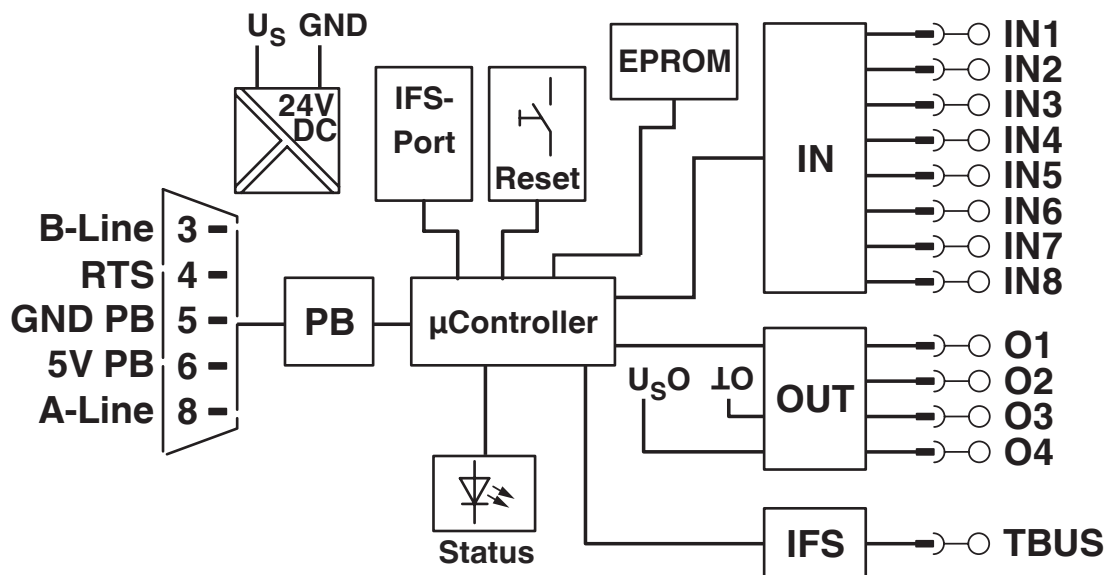
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Block diagram



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## Approvals

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**EAC**

Approval ID: RU C-DE.A\*30.B.01082



**UL Listed**

Approval ID: E140324



**cUL Listed**

Approval ID: E140324

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## Classifications

### ECLASS

ECLASS-13.0	27242608
ECLASS-15.0	27242608

### ETIM

ETIM 10.0	EC001604
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### UNSPSC

UNSPSC 21.0	32151600
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(a), 7(c)-I

### 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.)	Lead(CAS: 7439-92-1)
	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol(CAS: 79-94-7)
SCIP	16ead3b7-7b89-48f5-9c38-1aa1fb1186f9

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