

## Technical data sheet

### Fieldbus gateway

Part no.: 50132995

MSI-FB-PROFIBUS

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For illustration purposes only



## Technical data

### Basic data

|             |  |
|-------------|--|
| Series      | MSI-FB   |
| Type        | Fieldbus gateway                                 |
| Application | Transfer of MSI 400 diagnostic data via PROFIBUS |

### Functions

|           |  |
|-----------|--|
| Functions | Fieldbus module for the MSI 400 for connecting to PROFIBUS |
|-----------|--|

### Electrical data

#### Performance data

|                      |                        |
|----------------------|------------------------|
| Supply voltage $U_B$ | 24 V, DC, -20 ... 25 % |
|----------------------|------------------------|

#### Output circuit

### Interface

|                    |                                   |
|--------------------|-----------------------------------|
| Type               | Internal bus (SBUS+), PROFIBUS DP |
| <b>PROFIBUS DP</b> |                                   |
| Function           | Process                           |
| Classification     | V0                                |

### Connection

|                       |                   |
|-----------------------|-------------------|
| Number of connections | 1 Piece(s)        |
| <b>Connection 1</b>   |                   |
| Function              | BUS IN<br>BUS OUT |
| Type of connection    | Sub-D             |
| Type                  | Female            |
| No. of pins           | 9 -pin            |

### Mechanical data

|                       |                              |
|-----------------------|------------------------------|
| Dimension (W x H x L) | 22.5 mm x 96.5 mm x 126.5 mm |
| Net weight            | 160 g                        |
| Housing color         | Gray                         |
| Type of fastening     | Snap-on mounting             |

### Environmental data

|                                    |               |
|------------------------------------|---------------|
| Ambient temperature, operation     | -25 ... 55 °C |
| Ambient temperature, storage       | -25 ... 70 °C |
| Relative humidity (non-condensing) | 10 ... 95 %   |

### Certifications

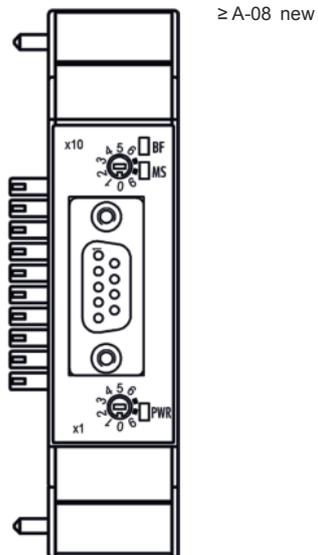
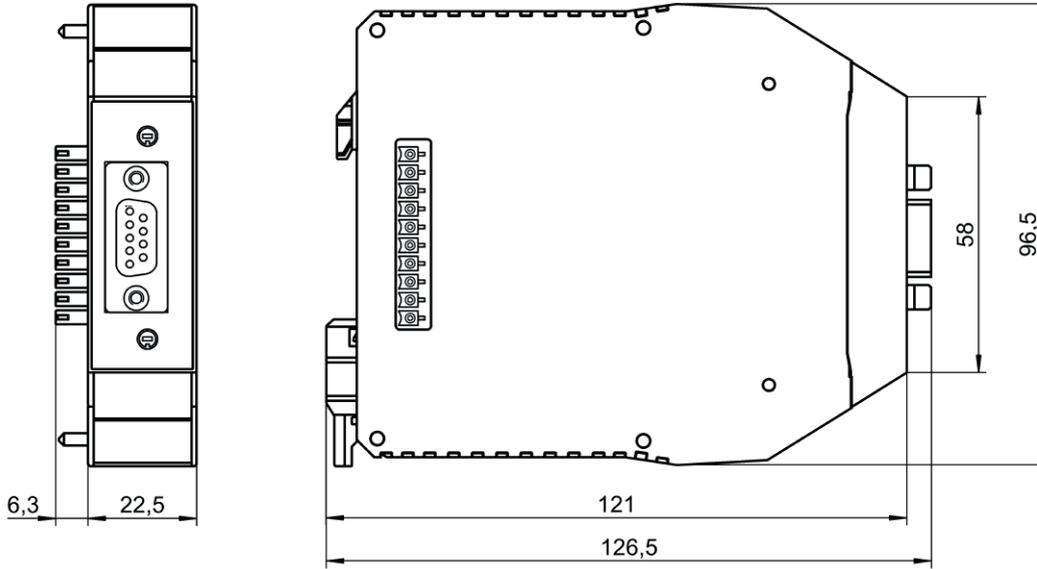
|  |                            |
|--|----------------------------|
| Degree of protection                                       | IP 20                      |
| Approvals  | c UL US                    |
| Vibration resistance                                       | 5 ... 150 Hz               |
| Test procedure for oscillation in accordance with standard | EN 60068-2-6               |
| Shock resistance, single shock                             | 30 g, 11 ms, EN 60068-2-27 |
| Shock resistance, continuous shock                         | 10 g, 16 ms, EN 60068-2-29 |

### Classification

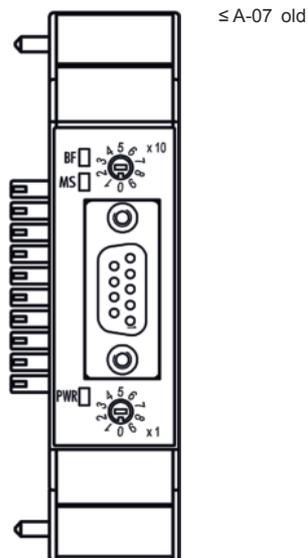
|                       |          |
|-----------------------|----------|
| Customs tariff number | 85364900 |
| ECLASS 5.1.4          | 27242208 |
| ECLASS 8.0            | 27242208 |
| ECLASS 9.0            | 27242208 |
| ECLASS 10.0           | 27242208 |
| ECLASS 11.0           | 27242208 |
| ECLASS 12.0           | 27242208 |
| ECLASS 13.0           | 27242208 |
| ECLASS 14.0           | 27242208 |
| ECLASS 15.0           | 27242208 |
| ECLASS 16.0           | 27242208 |
| ETIM 5.0              | EC001423 |
| ETIM 6.0              | EC001423 |
| ETIM 7.0              | EC001423 |
| ETIM 8.0              | EC001423 |
| ETIM 9.0              | EC001423 |
| ETIM 10.0             | EC001423 |

## Dimensioned drawings

All dimensions in millimeters



# Dimensioned drawings



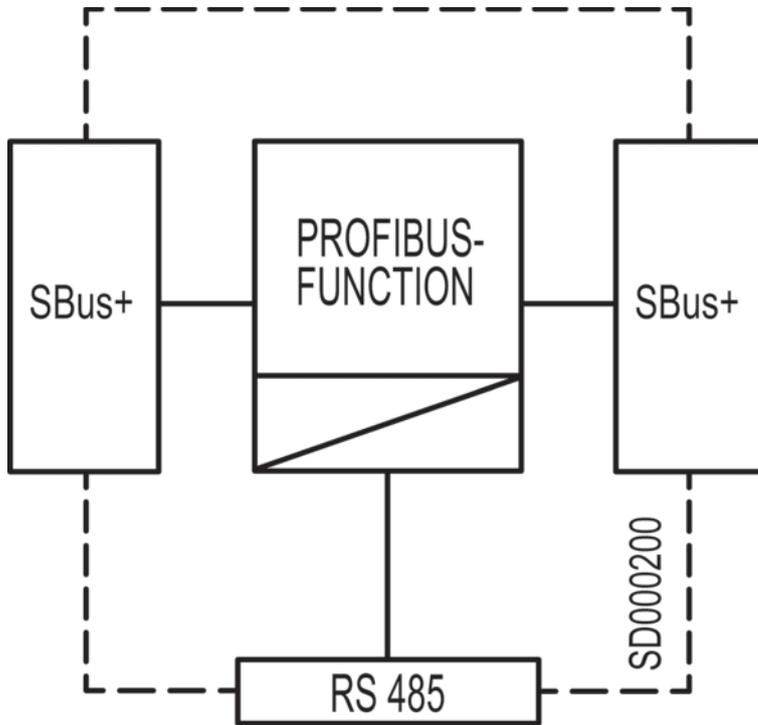
## Electrical connection

### Connection 1

|                    |         |
|--------------------|---------|
| Function           | BUS IN  |
|                    | BUS OUT |
| Type of connection | Sub-D   |
| Type               | Female  |
| No. of pins        | 9 -pin  |

| Pin | Pin assignment   |
|-----|------------------|
| 1   | n.c.             |
| 2   | n.c.             |
| 3   | RxD/TxD-P        |
| 4   | CNTR-P           |
| 5   | GND-EXT          |
| 6   | 5 V-EXT          |
| 7   | n.c.             |
| 8   | RxD/TxD-N        |
| 9   | CNTR-N (GND-EXT) |

## Circuit diagrams



## Notes



Observe intended use!



- ↪ The product may only be put into operation by competent persons.
- ↪ Only use the product in accordance with its intended use.