



**Part no.: 50132995**  
**MSI-FB-PROFIBUS**  
**Safety relay**



Figure can vary

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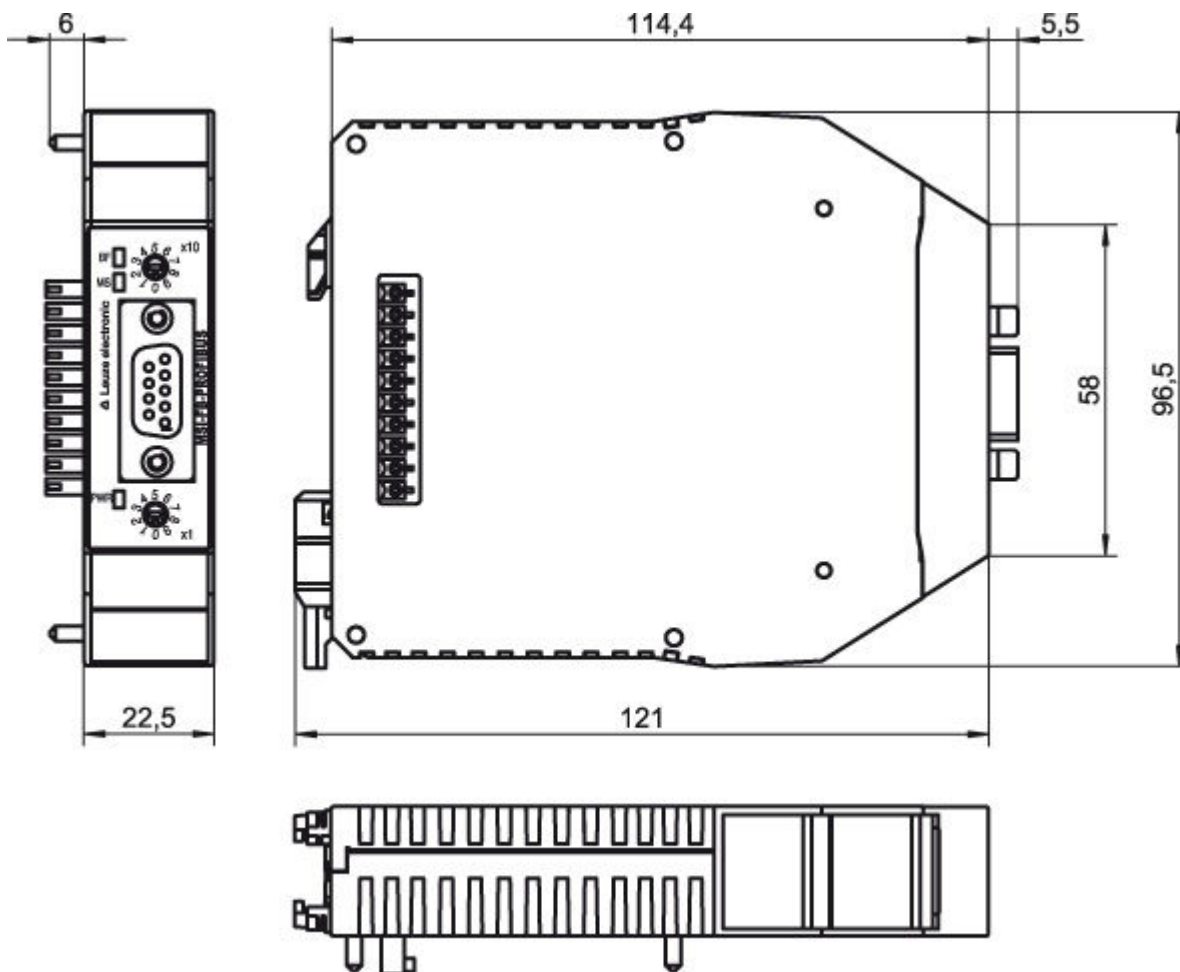
Part no.: 50132995 – MSI-FB-PROFIBUS – Safety relay

## Technical data

<b>Basic data</b>	
Series	MSI-FB
<b>Electrical data</b>	
<b>Performance data</b>	
Supply voltage	24 V, DC, -20 ... 25 %
<b>Interface</b>	
Type	Internal bus (SBUS+), PROFIBUS DP
<b>PROFIBUS DP</b>	
Function	Process
Classification	V0
<b>Connection</b>	
Number of connections	1 Piece(s)
<b>Connection 1</b>	
Type of connection	Sub-D
Function	BUS OUT, BUS IN
Type	Female
No. of pins	9 -pin
<b>Mechanical data</b>	
Width	22.5 mm x 96.5 mm x 126.5 mm
Net weight	160 g
Housing color	Gray
Type of fastening	Snap-on mounting
<b>Environmental data</b>	
Ambient temperature, operation	-25 ... 55 °C
Ambient temperature, storage	-25 ... 70 °C
Relative humidity (non-condensing)	10 ... 95 %
<b>Certifications</b>	
Degree of protection	IP 20
Certifications	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
<b>Classification</b>	
eCl@ss 8.0	27242208
eCl@ss 9.0	27242208
ETIM 5.0	EC001423

## Dimensioned drawings

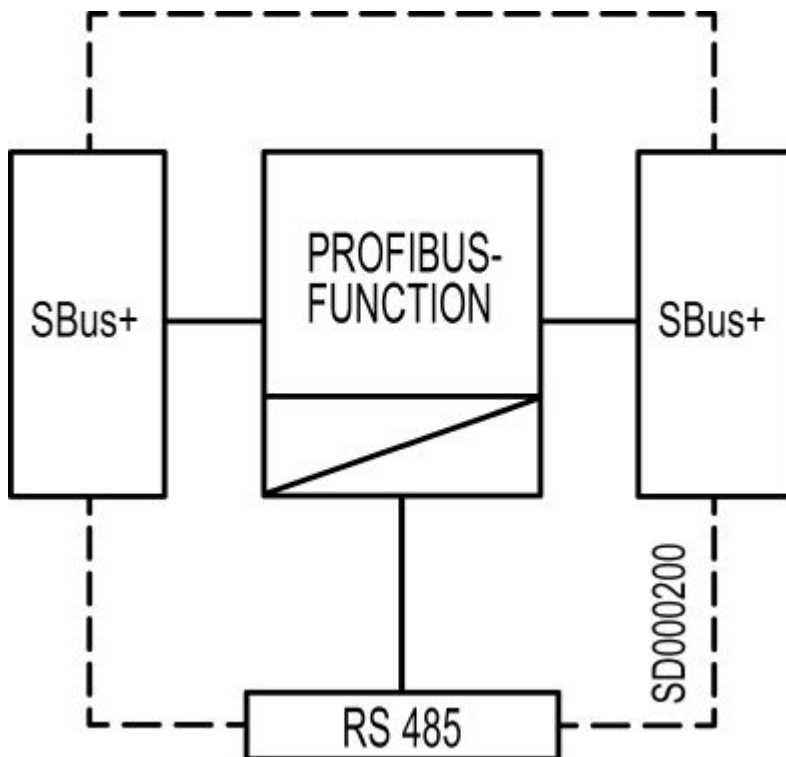
All dimensions in millimeters



## Electrical connection

Connection 1	
Type of connection	Sub-D
Function	BUS OUT, BUS IN
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	5V-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.