

Technical data sheet

Fieldbus gateway

Part no.: 547806
MSI-FB-PB101

Contents

- Technical data
- Electrical connection



Figure can vary



Technical data

Basic data

Series	MSI-FB
Application	Transfer of MSI100/200 diagnostic data via PROFIBUS

Functions

Functions	Fieldbus module for the MSI 100 and MSI 200 programmable safety controllers for connection to PROFIBUS
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Electrical data

Protective circuit	Overvoltage protection Parallel polarity reversal protection Polarity reversal protection
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Performance data

Supply voltage U_B	24 V, DC, -20 ... 25 %
Nominal input voltage at U_{IN} , typ.	85 mA, (plus load current of the output)

Inputs

Input voltage	24 V DC, -20 ... 20 %
Nominal input current at U_{IN}	3 mA

Outputs

Max. switching voltage	23 V DC
Switching current, max.	500 mA

Interface

Type	PROFIBUS DP
PROFIBUS DP	
Function	Process
Classification	V1

Connection

Number of connections	3 Piece(s)
Connection 1	
Function	Signal IN Signal OUT Voltage supply
Type of connection	Terminal
Type of terminal	Screw terminal
No. of pins	16 -pin

Connection 2

Function	Programming adapters
Type of connection	S-Port

Connection 3

Function	Internal communication interface
Type of connection	TBUS DIN rail

Connection 4

Function	PROFIBUS IN PROFIBUS OUT
Type of connection	Sub-D

Cable properties

Connection cross sections	0.2 to 2.5 mm ²
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Mechanical data

Dimension (W x H x L)	22.5 mm x 114.5 mm x 99 mm
Housing material	Plastic
Plastic housing	Unreinforced polyamide PA
Net weight	180 g
Housing color	Gray
Type of fastening	Snap-on mounting

Environmental data

Ambient temperature, operation	-35 ... 65 °C
Ambient temperature, storage	-35 ... 80 °C

Certifications

Degree of protection	IP 20
Certifications	c UL US

Classification

Customs tariff number	85371098
ECLASS 5.1.4	27371601
ECLASS 8.0	27371601
ECLASS 9.0	27371601
ECLASS 10.0	27371601
ECLASS 11.0	27371601
ETIM 5.0	EC001437
ETIM 6.0	EC001437
ETIM 7.0	EC001437

Electrical connection

Connection 1

Function	Signal IN Signal OUT Voltage supply
Type of connection	Terminal
Type of terminal	Screw terminal
No. of pins	16 -pin

Electrical connection

Terminal	Assignment
U _s	Supply voltage
□	Supply voltage
U _s 0	Supply voltage, outputs
□0	Supply voltage, outputs
In1	Input
In2	Input
In3	Input
In4	Input
In5	Input
In6	Input
In7	Input
In8	Input
O1	Output
O2	Output
O3	Output
O4	Output

Connection 2

Function	Programming adapters
Type of connection	S-Port

Connection 3

Function	Internal communication interface
Type of connection	TBUS DIN rail

Connection 4

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