



Part no.: 547806
MSI-FB-PB101
Fieldbus gateway



Figure can vary

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Part no.: 547806 – MSI-FB-PB101 – Fieldbus gateway

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
Electrical data	
Protective circuit	Overvoltage protection Parallel polarity reversal protection Polarity reversal protection
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	
Type of connection	Terminal
Function	Signal IN Signal OUT Voltage supply
Type of terminal	Screw terminal
No. of pins	16 -pin
Connection 2	
Type of connection	S-Port
Function	Programming adapters
Connection 3	
Type of connection	TBUS DIN rail
Function	Internal communication interface
Connection 4	
Type of connection	Sub-D
Function	PROFIBUS IN PROFIBUS OUT
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 , 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
eCl@ss 8.0	27371601
eCl@ss 9.0	27371601
ETIM 5.0	EC001437
ETIM 6.0	EC001437

Electrical connection

Connection 1	
Type of connection	Terminal
Function	Signal IN Signal OUT Voltage supply
Type of terminal	Screw terminal
No. of pins	16 -pin

Terminal	Assignment
U _S	Supply voltage
⊥	Supply voltage
U _{S0}	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

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Connection 2	
Type of connection	S-Port
Function	Programming adapters

Connection 3	
Type of connection	TBUS DIN rail
Function	Internal communication interface

Connection 4	
Type of connection	Sub-D
Function	PROFIBUS IN PROFIBUS OUT
No. of pins	9 -pin
Type	Female