

Base Backplane

FB9262BP24110.1

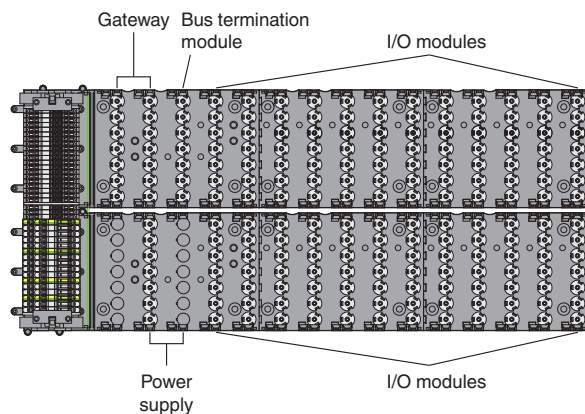
- Base backplane for FB system
- Max. 24 slots for I/O modules
- Installation in Zone 1
- Für PROFIBUS DP, PROFIBUS DP V1, MODBUS RTU und MODBUS TCP/IP



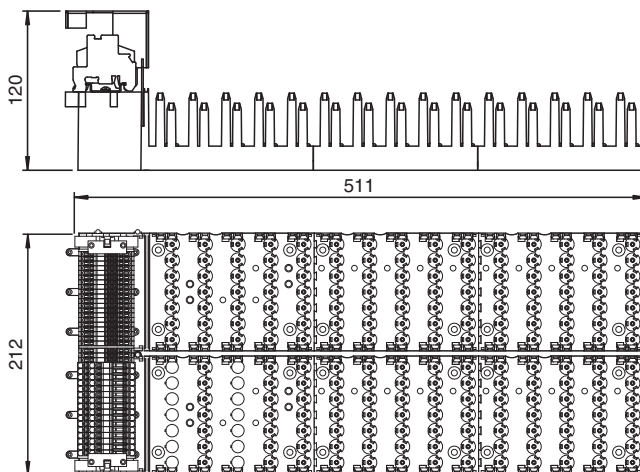
Function

The backplane serves as base backplane and provides 24 slots for I/O modules.
The I/O modules can be plugged anywhere on each slot.
The backplane is not suitable for redundant applications.

Assembly



Dimensions



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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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 **PEPPERL+FUCHS**

Technical Data

Slots

Bus coupler	1
Bus termination	1
Supply	1
I/O modules (single width)	max. 24
I/O modules (dual width)	max. 12

Supply

Maximum safe voltage U_m	60 V DC (SELV/PELV) / 253 V AC, depending on power supply
Input voltage range	U 18 ... 32 V DC (SELV/PELV) / 95 ... 253 V AC; depends on power supply
Redundancy	none

Fieldbus interface

Fieldbus type	PROFIBUS DP/DP-V1, MODBUS RTU, or MODBUS TCP, depends on bus coupler
Redundancy	none

Directive conformity

Electromagnetic compatibility	
Directive 2014/30/EU	EN 61326-1:2006

Conformity

Degree of protection	EN 60529
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Ambient conditions

Ambient temperature	-20 ... 65 °C (-4 ... 149 °F)
Shock resistance	shock type I, shock duration 11 ms, shock amplitude 15 g, number of shocks 18
Vibration resistance	frequency range 10 ... 150 Hz; transition frequency: 57.56 Hz, amplitude/acceleration ± 0.075 mm/1 g; 10 cycles frequency range 5 ... 100 Hz; transition frequency: 13.2 Hz amplitude/acceleration ± 1 mm/0.7 g; 90 minutes at each resonance

Mechanical specifications

Degree of protection	IP30
Mass	approx. 2687 kg, without modules
Dimensions	(W x H x D) 511 x 212 x 120 mm, without modules

Data for application in connection with hazardous areas

EU-type examination certificate	BVS 11 ATEX E 041 X
Marking	Ⓔ II 2 G Ex d e m IIC T4

International approvals

IECEx approval	BVS 11.0019X
INMETRO	Brazil: TÜV 14.1598X
Marine approval	
Bureau Veritas Marine	22449/B0 BV

General information

Supplementary information	Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl-fuchs.com .
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Components

Backplane combination possibilities

Type FB9262BP* backplanes can be used together as base and extension backplanes in the following combinations:

		Extension			
		FB9262BP10220.1	FB9262BP20220.1	FB9262BP24110.1	FB9262BP24200.1
Base	FB9262BP10220.1	-	-	-	-
	FB9262BP20220.1	X	X	-	-
	FB9262BP24110.1	-	-	-	X
	FB9262BP24200.1	-	-	-	-

Connection Assignment

Power Supply Selection of Bus Coupler / Gateway

Jumper Settings for using the Gateway FB822* FB823*

42	☐	12 V	☒	☐	☐
41	☐	12 V / 5.4 V	☒	☐	☐
40	☐	5.4 V	☐	☐	☐

Jumper Settings for using the Bus Coupler FB8205 – FB8211

42	☐	12 V	☐	☐	☐
41	☐	12 V / 5.4 V	☒	☐	☐
40	☐	5.4 V	☒	☐	☐

Wiring Base / Extension BackplaneBase Backplane
FB9262BP24110.1Connection Cable
FB9272-*Extension Backplane
FB9262BP24200.1

39	☐	GND PGW	☒	☐	☐	BU	39	☐	GND PGW	☐	☐	☐
38	☐	CTRL PGW	☒	☐	☐	RD	38	☐	CTRL PGW	☐	☐	☐
37	☐	GND PGW	☐	☒	☐	BK	37	☐	GND PGW	☐	☐	☐
36	☐	DATA PGW	☐	☐	☐	VT	36	☐	DATA PGW	☐	☐	☐
35	☐	GND PGW	☐	☐	☐	PK	35	☐	GND PGW	☐	☐	☐
34	☐	Select 2 PGW	☐	☐	☐	BU/RD	34	☐	Select 2 PGW	☐	☐	☐
33	☐	Select 3 PGW	☐	☐	☐	YE	33	☐	Select 3 PGW	☐	☐	☐
32	☐	GND PGW	☐	☐	☐		32	☐	GND PGW	☐	☐	☐

Wiring Emergency Shutdown

No Shutdown

19	☐	Shutdown Upper Rail	☒	☐	☐
18	☐	12 V	☒	☐	☐
17	☐	Shutdown Lower Rail	☐	☒	☐

Shutdown Upper Rail

19	☐	Shutdown Upper Rail	☐	☐	☐
18	☐	12 V	☐	☒	☐
17	☐	Shutdown Lower Rail	☐	☒	☐

Shutdown Lower Rail

19	☐	Shutdown Upper Rail	☒	☐	☐
18	☐	12 V	☒	☐	☐
17	☐	Shutdown Lower Rail	☐	☐	☐

Shutdown both Rails

19	☐	Shutdown Upper Rail	☐	☐	☐
18	☐	12 V	☐	☐	☐
17	☐	Shutdown Lower Rail	☐	☐	☐

Fieldbus and Servicebus Connection

In Brackets: Connection for Ethernet / Modbus TCB FB8211* Bus Coupler

16	☐	PE	☐	☐	☐
15	☐	Fieldbus B (TX+) PGW	☐	☐	☐
14	☐	Fieldbus A (TX-) PGW	☐	☐	☐
13	☐	Servicebus A (TX+) PGW	☐	☐	☐
12	☐	Servicebus B (TX-) PGW	☐	☐	☐
11	☐	PE	☐	☐	☐

Power Connection

6	☐	PE	☐	☐	☐
5	☐	L / + PSU Upper Rail	☐	☐	☐
4	☐	N / - PSU Upper Rail	☐	☐	☐

Legend

PGW:	Primary Gateway
SGW:	Secondary Gateway
PSU:	Power Supply Unit
UR:	Upper Rail
LR:	Lower Rail