

Base Backplane

FB9262BP24110.R

- Base backplane for FB system
- Max. 24 slots for I/O modules
- Installation in Zone 1
- For PROFIBUS, MODBUS RTU or MODBUS TCP



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.

Connection Assignment

Wiring Base / Extension Backplane

Base Backplane
FB9262BP24110.R

Connection Cable
FB9275-*

Extension Backplane
FB9262BP24200.2

39	<input type="checkbox"/>	GND PGW		BU	39	<input type="checkbox"/>	GND PGW	
38	<input type="checkbox"/>	CTRL PGW		RD	38	<input type="checkbox"/>	CTRL PGW	
37	<input type="checkbox"/>	GND PGW		BK	37	<input type="checkbox"/>	GND PGW	
36	<input type="checkbox"/>	DATA PGW		VT	36	<input type="checkbox"/>	DATA PGW	
35	<input type="checkbox"/>	GND PGW		PK	35	<input type="checkbox"/>	GND PGW	
34	<input type="checkbox"/>	Select 2 PGW		BU/RD	34	<input type="checkbox"/>	Select 2 PGW	
33	<input type="checkbox"/>	Select 3 PGW		YE	33	<input type="checkbox"/>	Select 3 PGW	
32	<input type="checkbox"/>	GND PGW		GN/GR (see legend)	32	<input type="checkbox"/>	GND PGW	
16	<input type="checkbox"/>	PB			16	<input type="checkbox"/>	PB	

Wiring Emergency Shutdown

No Shutdown

19	<input type="checkbox"/>	Shutdown Upper Rail	
18	<input type="checkbox"/>	12 V	
17	<input type="checkbox"/>	Shutdown Lower Rail	

Shutdown Upper Rail

	19	<input type="checkbox"/>	Shutdown Upper Rail	
	18	<input type="checkbox"/>	12 V	
	17	<input type="checkbox"/>	Shutdown Lower Rail	

Shutdown Lower Rail

	19	<input type="checkbox"/>	Shutdown Upper Rail	
	18	<input type="checkbox"/>	12 V	
	17	<input type="checkbox"/>	Shutdown Lower Rail	

Shutdown both Rails

	19	<input type="checkbox"/>	Shutdown Upper Rail	
	18	<input type="checkbox"/>	12 V	
	17	<input type="checkbox"/>	Shutdown Lower Rail	

Fieldbus and Servicebus Connection

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

14	<input type="checkbox"/>	See Table	
13	<input type="checkbox"/>	See Table	
12	<input type="checkbox"/>	See Table	
11	<input type="checkbox"/>	See Table	

Table: Fieldbus and Servicebus Connection

Terminal	Profibus	Modbus TCP	Modbus RTU	Servicebus
14	Fieldbus B	TX+ ←	Fieldbus A	-----
13	Fieldbus A	TX- ←	Fieldbus B	-----
12	-----	RX+ →	-----	Servicebus A
11	-----	RX- →	-----	Servicebus B

Power Connection

3	<input type="checkbox"/>	PE	
2	<input type="checkbox"/>	L / + PSU	
1	<input type="checkbox"/>	N / - PSU	

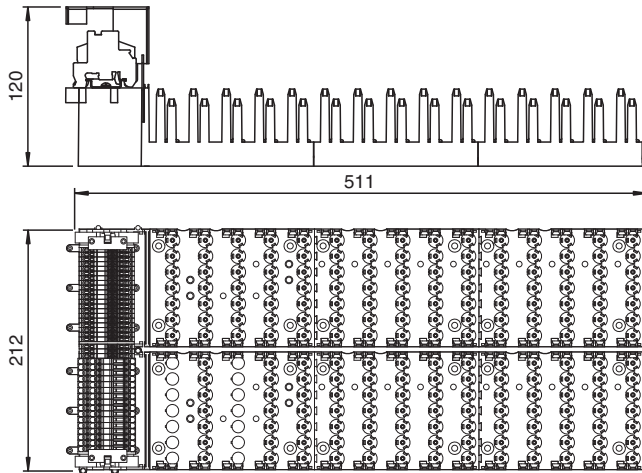
Protective Bonding

16	<input type="checkbox"/>	PB	
15	<input type="checkbox"/>	PB	

Legend	
PGW:	Primary Gateway
SGW:	Secondary Gateway
PSU:	Power Supply Unit
GN/GR:	Green heat-shrinkable tube at the end of a grey stranded conductor

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Dimensions



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		yes

Fieldbus connection

Fieldbus type	PROFIBUS, MODBUS RTU or MODBUS TCP
Redundancy	yes

Directive conformity

Electromagnetic compatibility	
Directive 2014/30/EU	EN 61326-1:2013

Conformity

Degree of protection	EN 60529
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Ambient conditions

Ambient temperature	-40 ... 60 °C (-40 ... 140 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °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
Height	211.8 mm
Width	510.7 mm
Depth	120 mm

Data for application in connection with hazardous areas

EU-type examination certificate	BVS 11 ATEX E 041 X
Marking	Ⓔ II 2G Ex db eb mb IIC T4 Gb
Directive conformity	

Technical Data

Directive 2014/34/EU	EN IEC 60079-0:2018+AC:2020 EN 60079-1:2014 EN 60079-7:2015+A1:2018 EN 60079-18:2015+A1:2017
International approvals	
IECEx approval	BVS 11.0019X
Approved for	International: Ex db eb mb IIC T4 Gb ; Ex db eb IIC T4 Gb
INMETRO approval	Brazil: TÜV 14.1598X
Marine approval	
Bureau Veritas Marine	22449/C0 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 .