

Extension Backplane

FB9262BP24200.2

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



Function

The backplane serves as an extension backplane for the base backplane FB9262BP24110.1.
The backplane 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
FB9262BP24110.2

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	

Power Connection

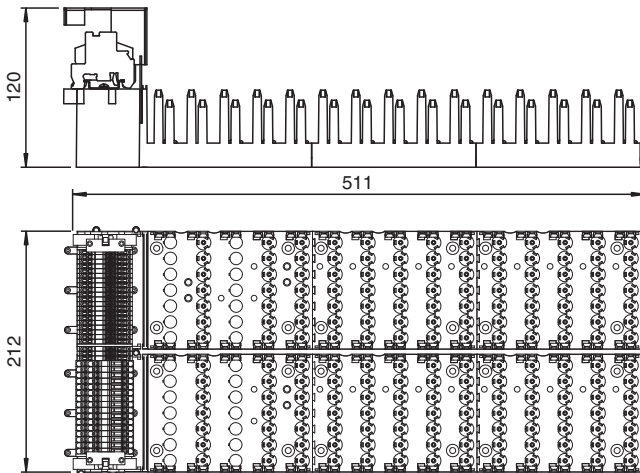
6	<input type="checkbox"/>	PE		Power Supply Unit 1
5	<input type="checkbox"/>	L / + PSU 1		
4	<input type="checkbox"/>	N / - PSU 1		Power Supply Unit 2
3	<input type="checkbox"/>	PE		
2	<input type="checkbox"/>	L / + PSU 2		
1	<input type="checkbox"/>	N / - PSU 2		

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

Dimensions



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Technical Data

Slots		
Bus coupler		0
Bus termination		0
Supply		2
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, PROFINET, 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
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. 2713 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 2 G Ex d e m IIC T4
Directive conformity		
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 .

Product Versions

Backplane combination possibilities

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

		Extension			
		FB9262BP10220.2	FB9262BP20220.2	FB9262BP24110.2	FB9262BP24200.2
Base	FB9262BP10220.2	–	–	–	–
	FB9262BP20220.2	X	X	–	–
	FB9262BP24110.2	–	–	–	–
	FB9262BP24200.2	–	–	–	X

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