Universal Backplane

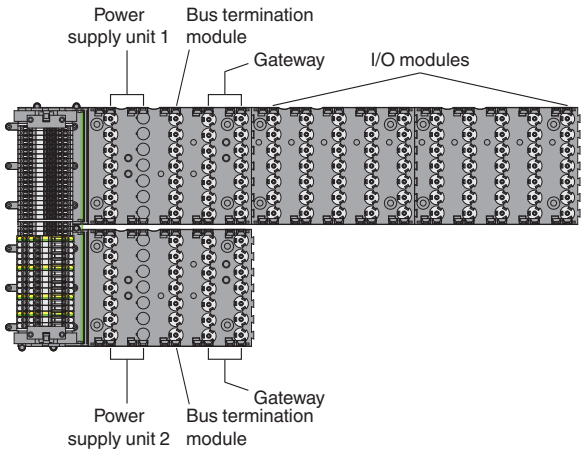
FB9262BP10220.1

- Universal backplane
- Max. 10 slots for I/O modules
- Redundancy (field bus and power supply)
- Installation in Zone 1
- Für PROFIBUS DP, PROFIBUS DP V1, MODBUS RTU und MODBUS TCP/IP

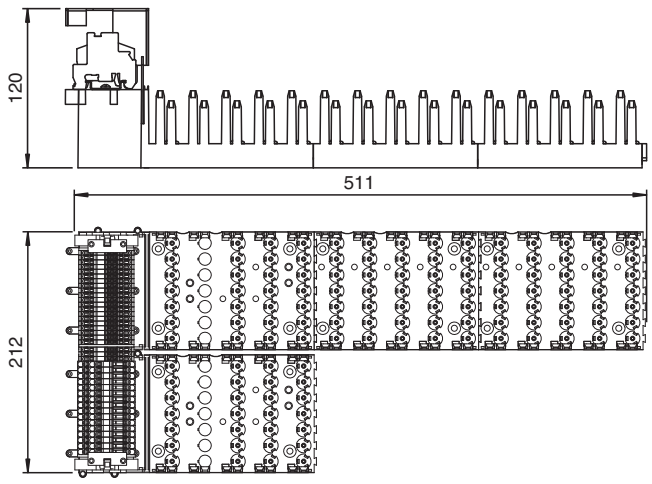
Function

The universal backplane can be used as base and extension backplane.
The backplane provides slots for a redundant gateway, and a redundant power supply.
It provides 10 slots for I/O modules. The I/O modules can be plugged anywhere on each slot.

Assembly



Dimensions



Release date: 2020-04-30 Date of issue: 2020-04-30 Filename: 282724_eng.pdf

Technical Data

Slots		
Bus coupler		2
Bus termination		2
Supply		2
I/O modules (single width)		max. 10
I/O modules (dual width)		max. 5
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 interface		
Fieldbus type		PROFIBUS DP/DP-V1, MODBUS RTU, or MODBUS TCP , depends on bus coupler
Redundancy		yes
Directive conformity		
Electromagnetic compatibility		
Directive 2014/30/EU		EN 61326-1:2006
Conformity		
Degree of protection		EN 60529
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. 2133 g , 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		⟨Ex⟩ II 2 G Ex d e m IIC T4
Input		
Voltage	U_o	
International approvals		
IECEx approval		BVS 11.0019X
Approved for		International: Ex db eb mb IIC T4 ; Ex db eb IIC T4
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.

Release date: 2020-04-30 Date of issue: 2020-04-30 Filename: 282724_eng.pdf

Components

Backplane combination possibilities

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

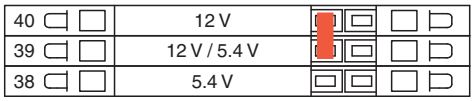
		Extension			
		FB9262BP10220.1	FB9262BP20220.1	FB9262BP24110.1	FB9262BP24200.1
Base	FB9262BP10220.1	-	-	-	-
	FB9262BP20220.1	X	X	-	-
	FB9262BP24110.1	-	-	-	X
	FB9262BP24200.1	-	-	-	-

Connection Assignment

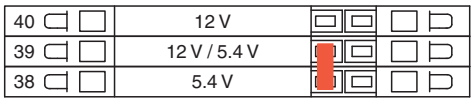
Release date: 2020-04-30 Date of issue: 2020-04-30 Filename: 282724_eng.pdf

Power Supply Selection of Bus Coupler / Gateway

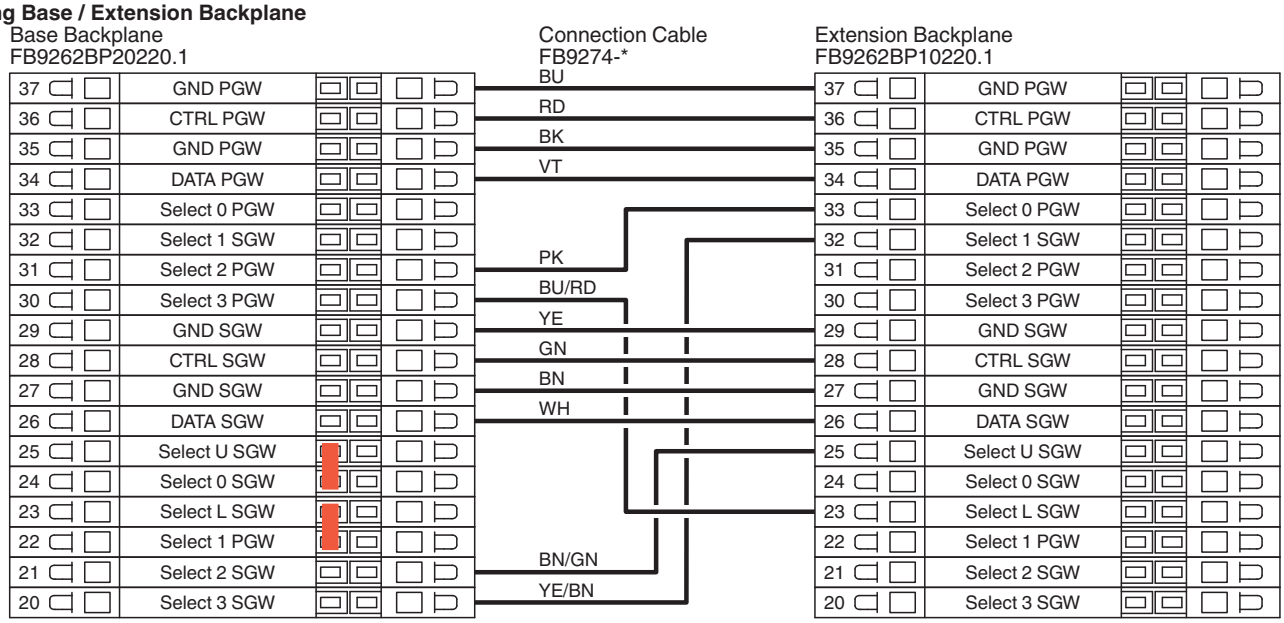
Jumper Settings for using the Gateway FB822*, FB823*



Jumper Settings for using the Bus Coupler FB8205 – FB8211

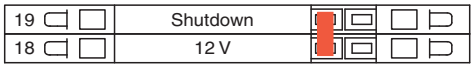


Wiring Base / Extension Backplane

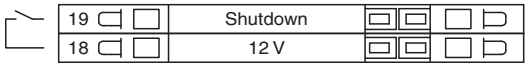


Wiring Emergency Shutdown

No Shutdown

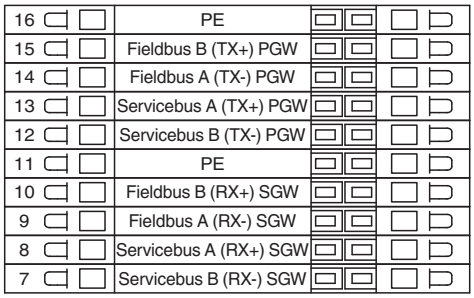


Shutdown

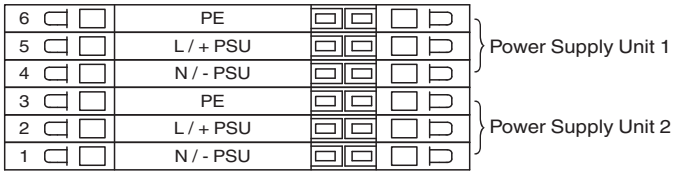


Fieldbus and Servicebus Connection

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



Power Connection



Legend	
PGW:	Primary Gateway
SGW:	Secondary Gateway
PSU:	Power Supply Unit

Release date: 2020-04-30 Date of issue: 2020-04-30 Filename: 282724_eng.pdf