

Backplane

FB9271BP00200.0

- Backplane for FB9205 Power Supply
- Slots for 2 power supplies
- Power supplies can be operated separately or parallel
- Redundant supply
- Installation in Zone 1



Connection Assignment

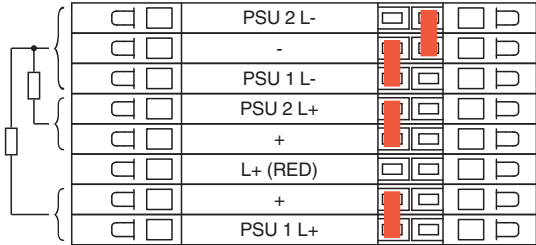
Wiring Power Good Signal

Only in Conjunction with FB9204C3 or FB9205C3



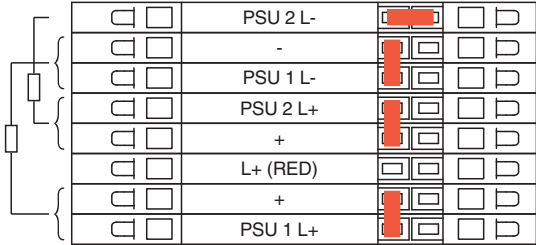
Wiring and Jumper Settings

Seperate PSU, common ground

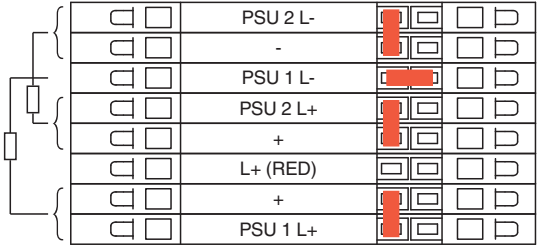


Seperate PSU, separate ground

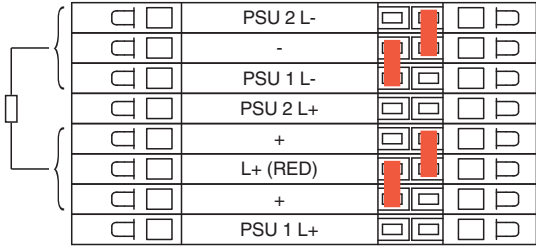
Ground connection doubled for PSU 1



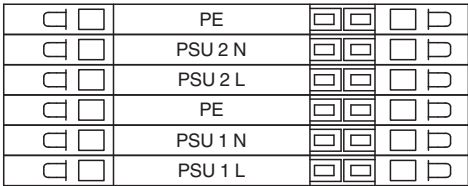
Ground connection doubled for PSU 2



Parallel / Redundant PSUs



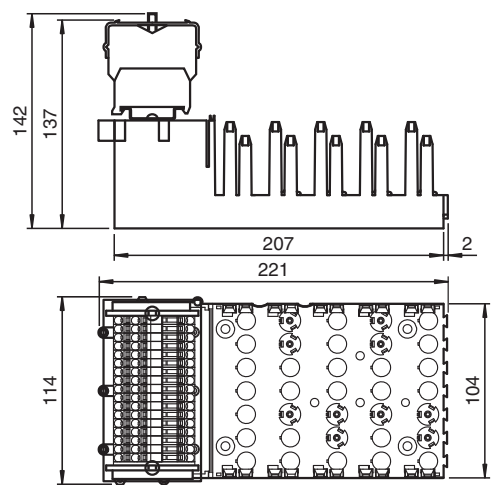
Power Connection



Legend

PSU: Power Supply Unit

Dimensions



Technical Data

Slots			
Supply			2
Supply			
Maximum safe voltage U_m			253 V AC
Input voltage range	U		95 ... 253 V AC
Redundancy			yes
Output			
Voltage			non-redundant: 24 V ; redundant: 23 V
Current			non-redundant: 2.4 A ; redundant: 1.2 A
Directive conformity			
Electromagnetic compatibility			
Directive 2014/30/EU			EN 61326-1:2013
Conformity			
Degree of protection			EN 60529
Ambient conditions			
Ambient temperature			-20 ... 60 °C (-4 ... 140 °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			
Connection type			Terminals
Core cross section			0.5 ... 2.5 mm ²
Degree of protection			IP30
Mass			approx. 512 g , without modules
Dimensions			(l x w x h) 207 x 110 x 137 mm , without modules
Height			137 mm
Width			110 mm
Length			207 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 IIC T4 Gb
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

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Technical Data

International approvals		
IECEX approval		
IECEX certificate		BVS 11.0019X
IECEX marking		Ex db eb IIC T4 Gb
INMETRO approval		Brazil: TÜV 14.1598X
General information		
Scope of delivery		Backplane (without modules and surrounding enclosure)
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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