

**Features**

- Power supply for 24 V DC
- Suitable for the supply of 24 I/O modules and 1 bus coupler
- Use two power supplies for redundancy
- Installation in suitable enclosures in Zone 1 or Zone 21
- Module can be exchanged under voltage (hot swap)

**Function**

The power supply provides power for the I/O modules and com units mounted on the backplane.

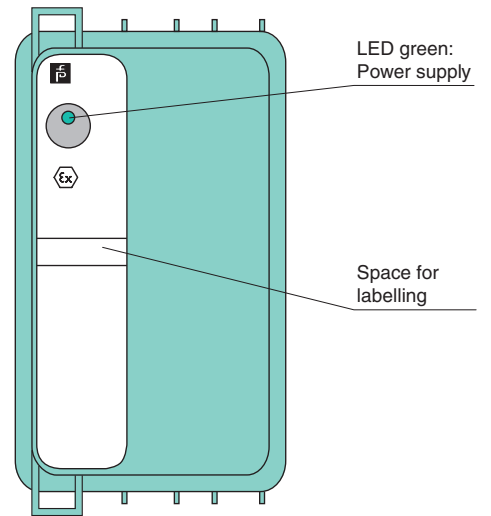
Power supplies can be connected in parallel to achieve redundancy.

Input and output are galvanically isolated from each other (EN 61010-1).

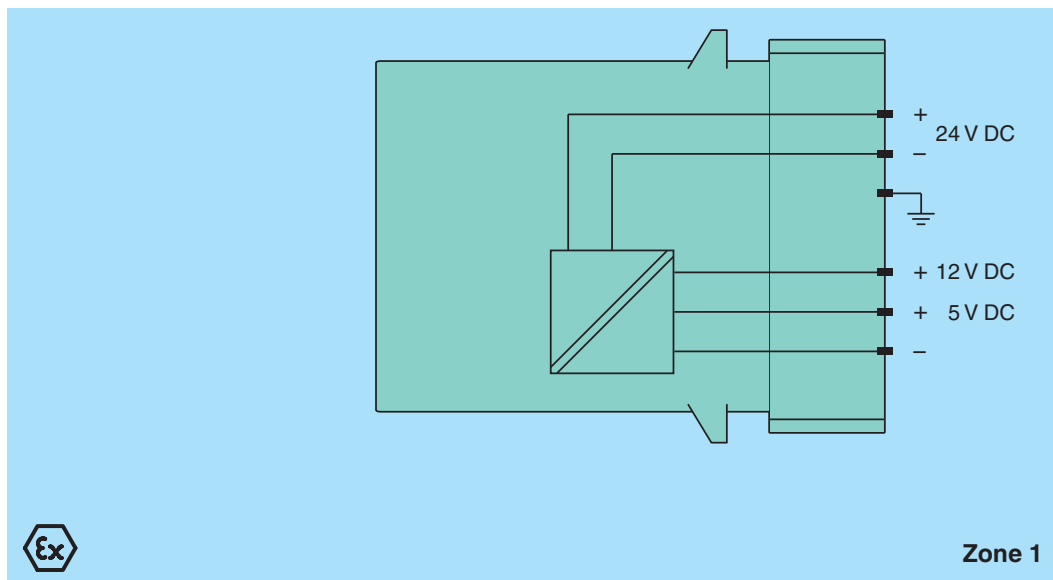
This power supply is a fully compatible replacement for FB9206B.

**Assembly**

Front view



**Connection**



Release date 2015-02-09 11:08 Date of issue 2015-02-09 200974\_eng.xml


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

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0002  
pa-info@us.pepperl-fuchs.com

Germany: +49 621 776 2222  
pa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091  
pa-info@sg.pepperl-fuchs.com

<b>Supply</b>	
Connection	wired to Ex e terminals via backplane
Rated voltage	$U_n$ 24 V DC ( 18 ... 32 V DC ) SELV/PELV
Power loss	approx. 15 % of power consumption
Power consumption	≤ 45 W parallel connection with other FB9206D (autom. power sharing)
Inrush current	1.5 A (10 ms)
<b>Output</b>	
Voltage	5.4 V DC +/- 5% , 12 V DC + 4/- 2%
Power	$P_{5V} \leq 5.4 \text{ W}$ , $P_{12V} \leq 39 \text{ W}$ - $P_{5V}$
<b>Indicators/settings</b>	
LED indicator	LED green: OFF in case of loss of 24V or 12V or 5V
<b>Directive conformity</b>	
Electromagnetic compatibility	
Directive 2004/108/EC	EN 61326-1
<b>Conformity</b>	
Electromagnetic compatibility	
Degree of protection	IEC 60529
Environmental test	EN 60068-2-14
Shock resistance	EN 60068-2-27
Vibration resistance	EN 60068-2-6
Damaging gas	EN 60068-2-42
Relative humidity	EN 60068-2-56
<b>Ambient conditions</b>	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Storage temperature	-25 ... 85 °C (-13 ... 185 °F)
Relative humidity	95 % non-condensing
Shock resistance	shock type I, shock duration 11 ms, shock amplitude 50 m/s <sup>2</sup> , number of shock directions 6, number of shocks per direction 100
Vibration resistance	frequency range 5 ... 500 Hz, amplitude 5 ... 13.2 Hz ± 1.5 mm, 13.2 ... 100 Hz 1g, sweep rate 1 octave/min, duration 10 sweeps 5 Hz - 100 Hz - 5 Hz
Damaging gas	for plugs: 21 days in 25 ppm SO <sub>2</sub> , at 25 °C and 75 % rel. humidity, device G3
<b>Mechanical specifications</b>	
Degree of protection	IP20 (module) , a separate housing is required acc. to the system description
Mass	approx. 820 g
Dimensions	57 x 107 x 132 mm (2.2 x 4.2 x 5.2 in)
<b>Data for application in connection with Ex-areas</b>	
EC-Type Examination Certificate	PTB 97 ATEX 1074 U , PTB 97 ATEX 1075 (system) , for additional certificates see <a href="http://www.pepperl-fuchs.com">www.pepperl-fuchs.com</a>
Group, category, type of protection	 II 2 G Ex d IIC Gb
Electrical isolation	
Output/power supply	EN 60950-1 (safety requirement < 60 V, external power supply SELV/PELV)
Directive conformity	
Directive 94/9/EC	EN 60079-0:2009 EN 60079-1:2007 EN 60079-11:2007 EN 60079-26:2007 EN 61241-11:2006
<b>General information</b>	
System information	The module has to be mounted in appropriate backplanes (FB92**) in Zone 1, 2, or outside hazardous areas. Here, the corresponding EC-Type Examination Certificate has to be observed.
Supplementary information	EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see <a href="http://www.pepperl-fuchs.com">www.pepperl-fuchs.com</a> .

Release date 2015-02-09 11:08 Date of issue 2015-02-09 200974\_eng.xml