

## Features

- Power supply for 115/230V AC
- Suitable for the supply of 24 I/O modules and 1 bus coupler
- Installation in suitable enclosures in Zone 1 or Zone 21

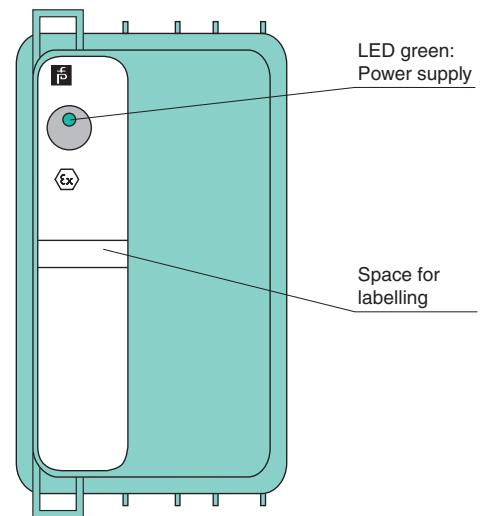
## Function

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

Input and output are galvanically isolated from each other (EN 60950-1).

## Assembly

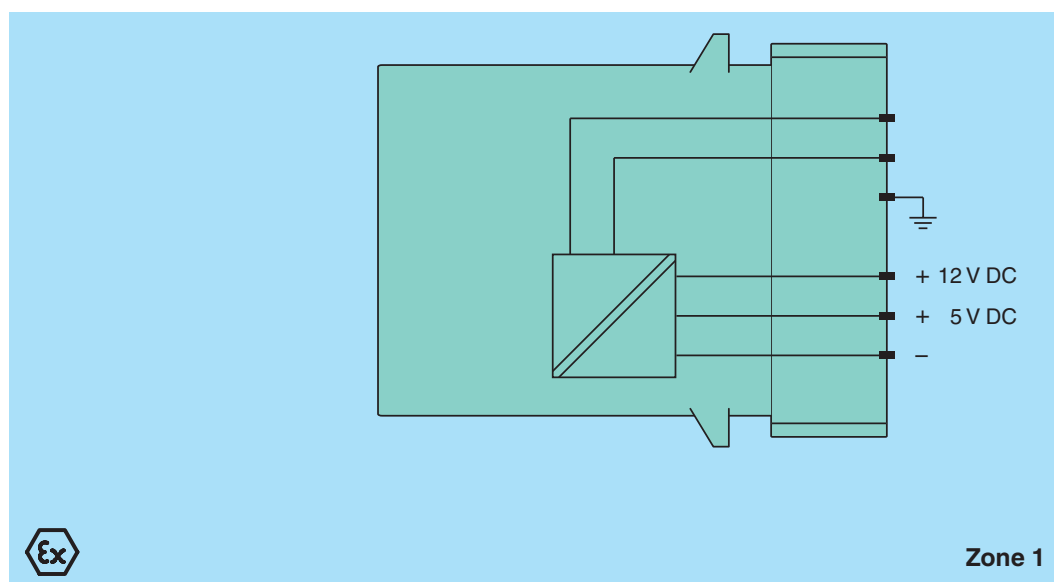
Front view



CE



## Connection



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<b>Supply</b>	
Connection	wired to Ex e terminals via backplane
Rated voltage	230 V AC (+10% - 15%) FB9215 115 V AC (100 ... 132 V) FB9216
Power consumption	35 W
Inrush current	15 A (20 ms)
<b>Output</b>	
Voltage	5 V DC +/- 5% , 12 V DC + 4/- 2%
Power	2 W (5 V), 30 W (12 V)
<b>Indicators/settings</b>	
LED indicator	LED green: supply
Labeling	space for labeling at the front
<b>Directive conformity</b>	
Electromagnetic compatibility	
Directive 2004/108/EC	EN 61326-1
Low voltage	
Directive 2006/95/EC	EN 61010-1
<b>Conformity</b>	
Electromagnetic compatibility	
NE 21	
Protection degree	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>	
Protection degree	IP20 (module) , a separate housing is required acc. to the system description
Mass	approx. 750 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
Electrical isolation	
Output/power supply	EN 60950-1 (safety requirement < 60 V)
Directive conformity	
Directive 94/9/EC	EN 60079-0 , EN 60079-1
<b>International approvals</b>	
IECEx approval	pending
<b>General information</b>	
System information	The module has to be mounted in appropriate backplanes and housings (FB92**) in Zone 1, 2, 21, 22 or outside hazardous areas (gas or dust). 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> .

**Ordering details**

Options	Type, order no.
Power supply, 230 V	FB 9215
Power supply, 115 V	FB 9216

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