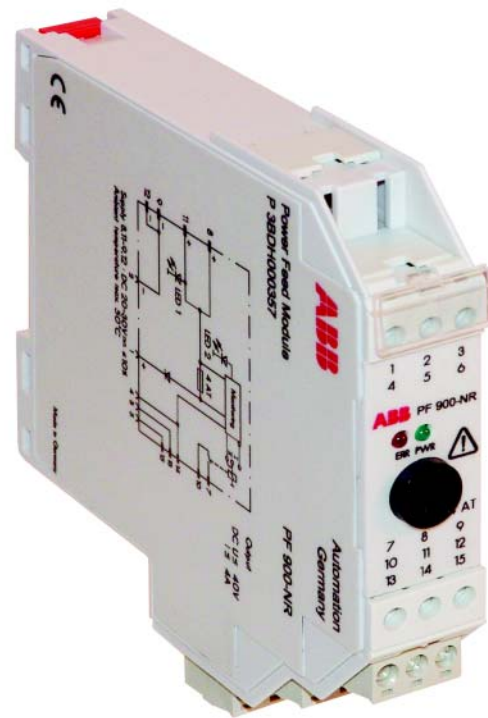


## PF 900-NR Power Feed Module

## Features and Benefits

- 24 V DC supply voltage
- Supply current  $\leq 4$  A
- Bus access via terminals
- Redundant supply
- Fault signal output with adjustable mode of operation
- EMC acc. to NAMUR NE 21



## Function

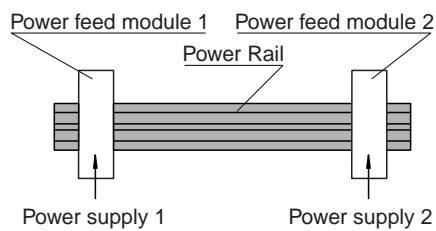
The power feed module supplies the Power Rail with a voltage of 24 V DC and a maximum current of 4 A.

## Functionality

### General

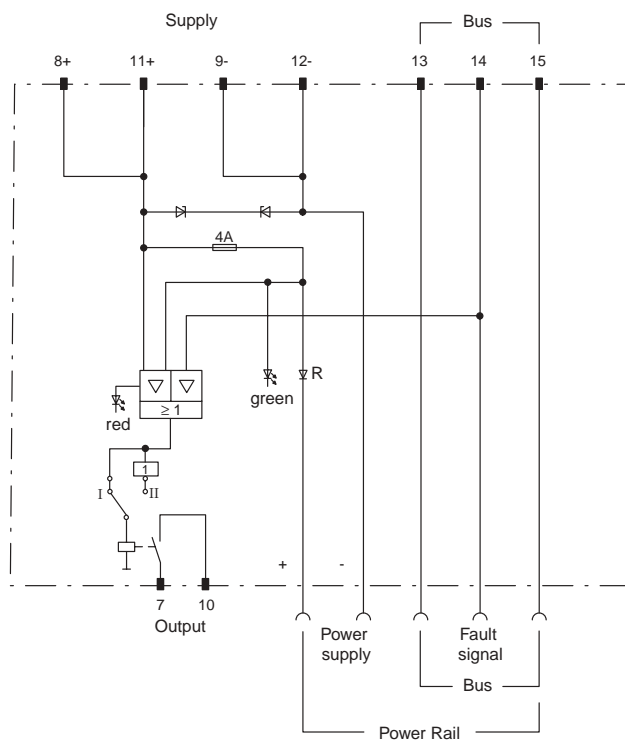
The power feed module supplies the Power Rail with a voltage of 24 V DC and a maximum current of 4 A.

The dual designed power feed terminals 8+ and 11+ or 9- and 12- have the ability to loop the supply (up to a max. of 10 A). The integrated fault evaluation detects shorts and possible collective error messages. In a fault condition, the relays switch closed (terminals 7 and 10) and the fault is indicated by means of a red LED on the front panel. The mode of operation can be adjusted with a plug-in jumper. The terminals 13 and 15 are for the bus connection (only with Power Rail PR 900-N). The terminal 14 is the measuring point for the collective error message (only planned for inspection or test, may not be wired into the system).



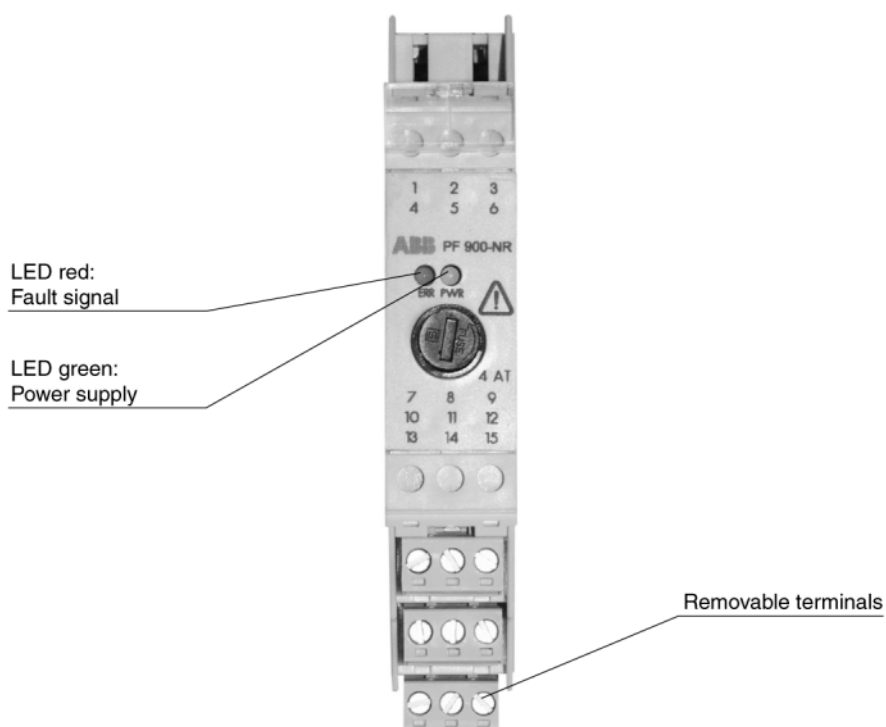
Two power feed modules can be used on a Power Rail as a redundant supply through the reverse diode "R".

### Connection



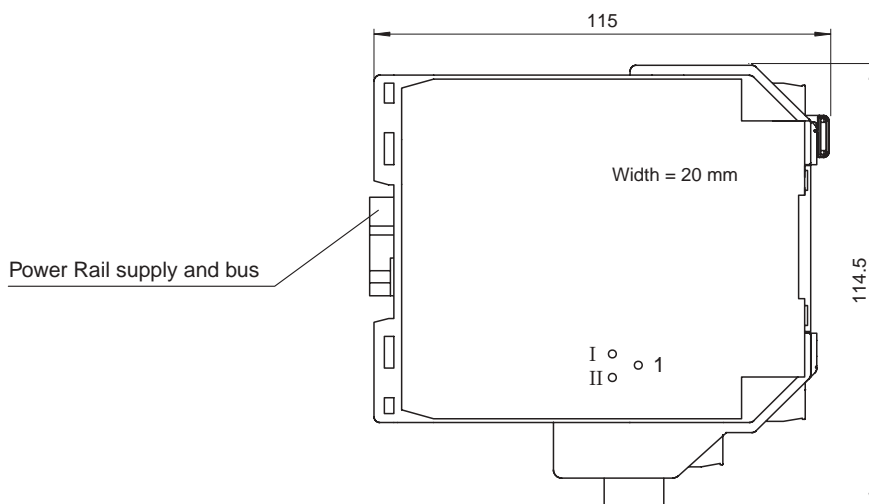
## Indicating and operating elements

### Front view



### Dimensions

#### Adjustment of the jumpers



The jumper is visible on the circuit board after removing the cover and the left component. The mode of operation can be adjusted with a jumper (see connection diagram).

## Technical data

<b>Supply</b>	Connection	terminals 11+, 12- terminals 8+, 9-
	Rated voltage	20 ... 30 V DC The maximum rated operational voltage of the devices plugged onto the Power Rail must not be exceeded.
	Power loss	2.4 W
<b>Output</b>	Power Rail feed	output current: $\leq 4$ A
	Fault signal	relay output: NO (normally open)
	Contact loading	24 V AC, 1 A/ 24 V DC, 1 A
	Energised/De-energised delay	approx. 20 ms / approx. 20 ms
<b>Conformity</b>	Protection degree	IEC 60529
<b>Ambient conditions</b>	Ambient temperature	-25 ... 50 °C (248 ... 323 K)
	Storage temperature	-40 ... 85 °C (233 ... 358 K)
	Relative humidity	< 95 % non-condensing
	Degree of soiling	max. 2, according to IEC 60664
<b>Mechanical specifications</b>	Protection degree	IP20
	Mass	approx. 100 g
	Dimensions	20 x 118 x 115 mm (0.8 x 4.6 x 4.5 in)
	Connection type	terminals
	Core cross-section	up to 2.5 mm <sup>2</sup>
	Mounting	DIN rail mounting

For more information on Field<sup>IT</sup>, contact us at [fieldbus@de.abb.com](mailto:fieldbus@de.abb.com)  
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Automation Technologies  
 Wickliffe, Ohio, USA  
<http://www.abb.com/controlsystems>  
 email: [industrialitsolutions@us.abb.com](mailto:industrialitsolutions@us.abb.com)

Automation Technologies  
 Västerås, Sweden  
<http://www.abb.com/controlsystems>  
 email: [processautomation@se.abb.com](mailto:processautomation@se.abb.com)

Automation Technologies  
 Mannheim, Germany  
<http://www.abb.de/controlsystems>  
 email: [marketing.control-products@de.abb.com](mailto:marketing.control-products@de.abb.com)