



- 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

**redundant supply**  
**KFD2-EB.R4A.B-Y44151**

**Function**

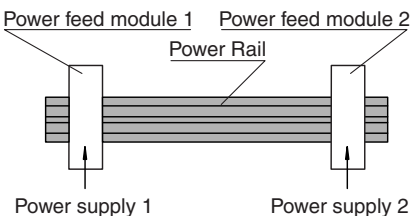
The power feed module supplies the Power Rail with a voltage of 24 V DC and a maximum current of 4 A.

The dual designed power feed terminals 8+ and 11+ or 9- and 12- offer the option to loop the supply (up to max. 10 A).

The integrated error evaluation system detects fuse errors and possible collective error messages. In a fault condition, the relay switches (normally open contact terminals 7 and 10) and the malfunction is indicated by means of the red LED on the front. The mode of operation can be adjusted with a plug-in jumper.

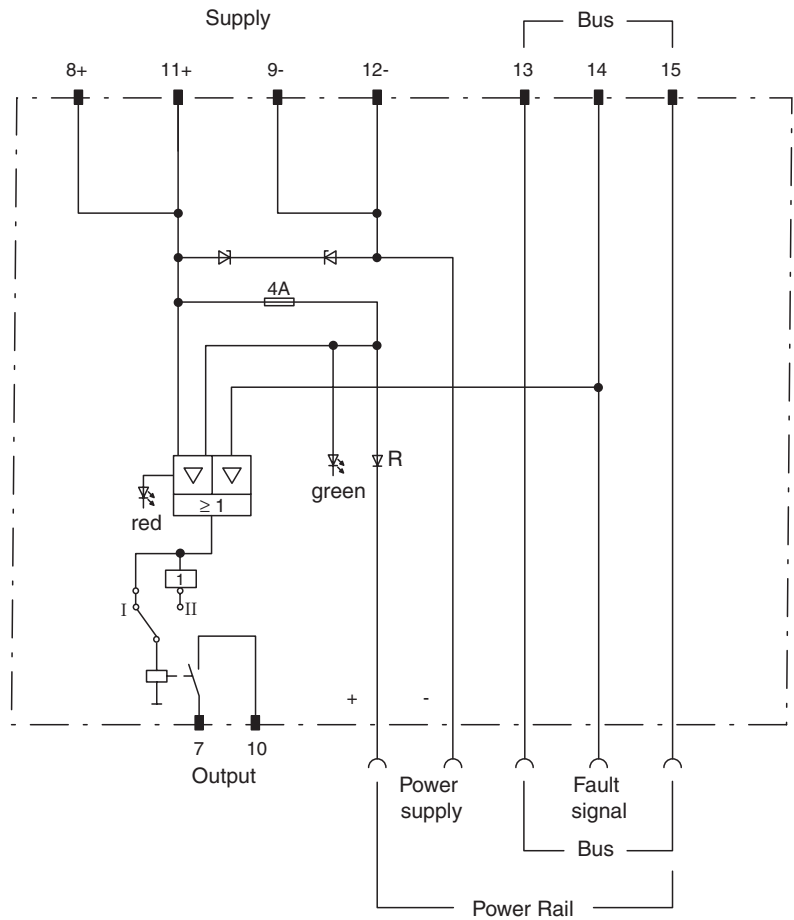
Terminals 13 and 15 are used for the bus connection (only for Power Rail PR-05 or UPR-05).

Terminal 14 is the measuring point for the collective error message (only provided for test purposes, must not be wired into the system).



The reverse diode "R" makes it possible to use **two** power feed modules on one Power Rail for a redundant power supply.

**Connection**



**Composition**

**Front View**

Housing type C2  
(see system description)

LED red:  
Fault signal

LED green:  
Power supply



Removable terminals green

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<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
Contact loading	24 V AC, 1 A / 24 V DC, 1 A
Energized/De-energized 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)
<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)

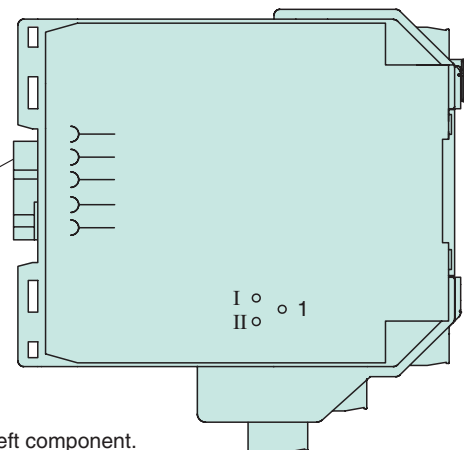
**Supplementary information**

Statement of Conformity, Declaration of Conformity and instructions have to be observed. For information see [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com).

**Notes**

**Adjustment of the jumpers**

Power Rail supply and bus



The jumper is visible on the circuit board after removing the cover and the left component.