



- 24 V DC supply voltage
- Supply current ≤ 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.D4A.B-Y111088

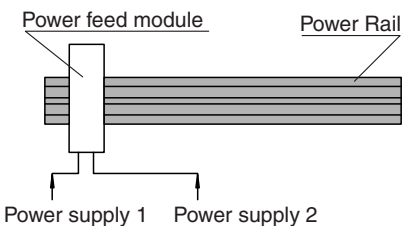
Function

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

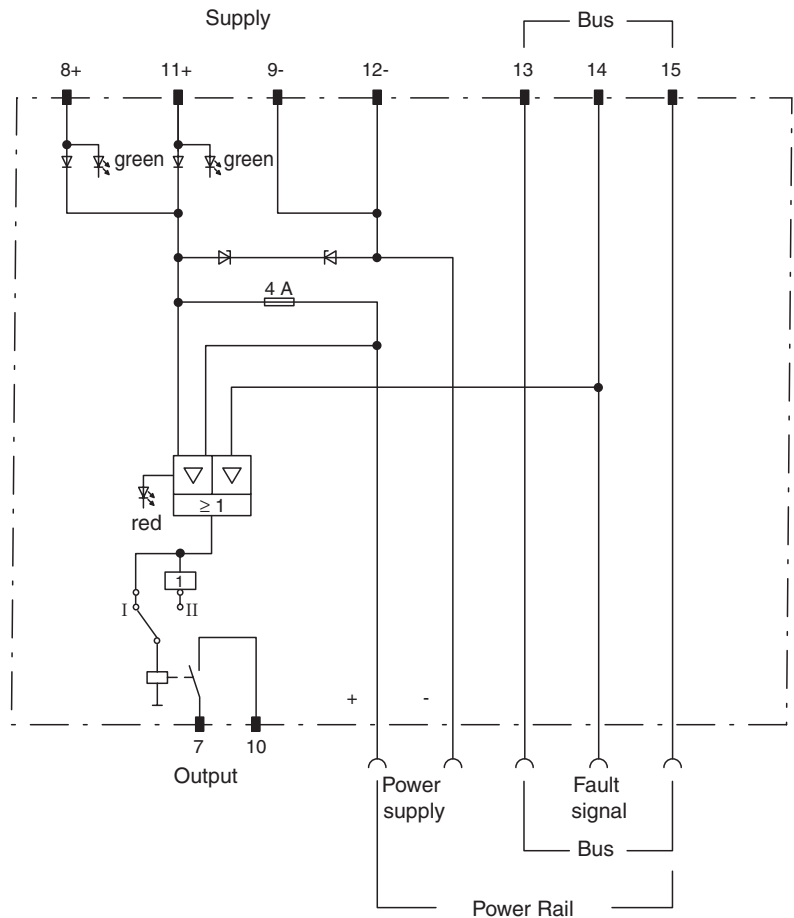
Terminals 13 and 15 are used for the bus connection (only for Power Rail PR-05 or UPR-05).

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



Two power supplies can be used with **one** power feed module as a redundant power supply on a Power Rail.

Connection



Composition

Front View

Housing type C2
(see system description)

LED red:
Fault signal

LED green:
Power supply

LED green:
Power supply

Removable terminals
green



| | |
|----------------------------------|--|
| Supply | |
| 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 |
| Output | |
| Power Rail feed | output current: ≤ 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 |
| Conformity | |
| Protection degree | IEC 60529 |
| Ambient conditions | |
| Ambient temperature | -25 ... 50 °C (248 ... 323 K) |
| Mechanical specifications | |
| Protection degree | IP20 |
| Mass | approx. 100 g |
| Dimensions | 20 x 118 x 115 mm (0.8 x 4.6 x 4.5 in) |

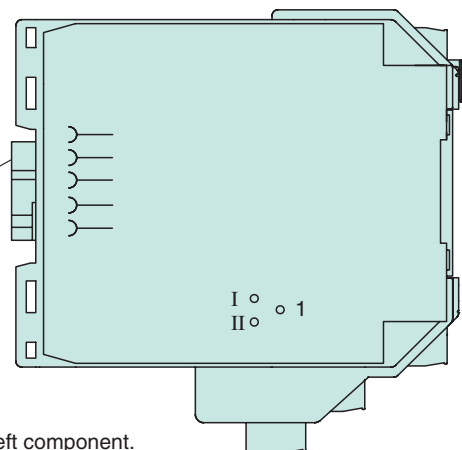
Supplementary information

Statement of Conformity, Declaration of Conformity and instructions have to be observed. For information see www.pepperl-fuchs.com.

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.