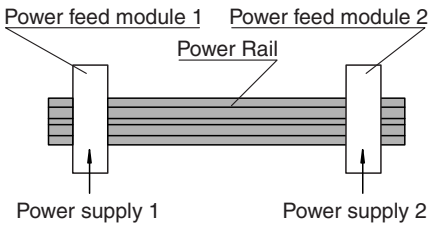
- 24 V DC supply voltage
- Supply current ≤ 2 A
- Bus access via terminals
- Redundant supply
- Fault signal output with adjustable mode of operation
- EMC acc. to NAMUR NE 21
- For applications on ships

Function

The power feed module KFD2-EB.MAR.RPI is especially designed for the use on ships. It supplies the Power Rail with a voltage of 24 V DC and a maximum current of 2 A. The application of the supply voltages is indicated on the front panel by means of a green LED (POWER ON).

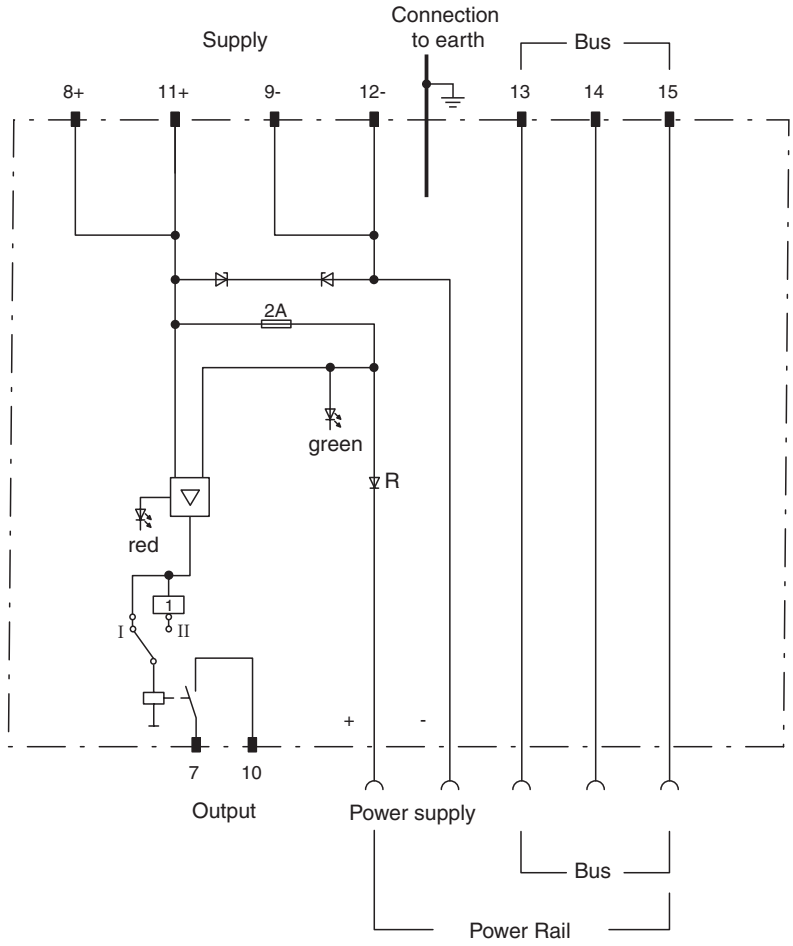
The integrated fault evaluation detects shorts. In a fault condition, the relays switch closed and the fault is indicated by means of a red LED on the front panel. The mode of operation can be adjusted with a plug-in jumper.

The dual designed power feed terminals have the ability to loop the supply (up to a max. of 10 A). The 3 poles of the Power Rail for the bus connection are separately arranged on terminals 13, 14 and 15. The breakdown LED connected between terminals 8+, 11+ and 9-, 12- provides transient overvoltage protection per IEC 801-5.



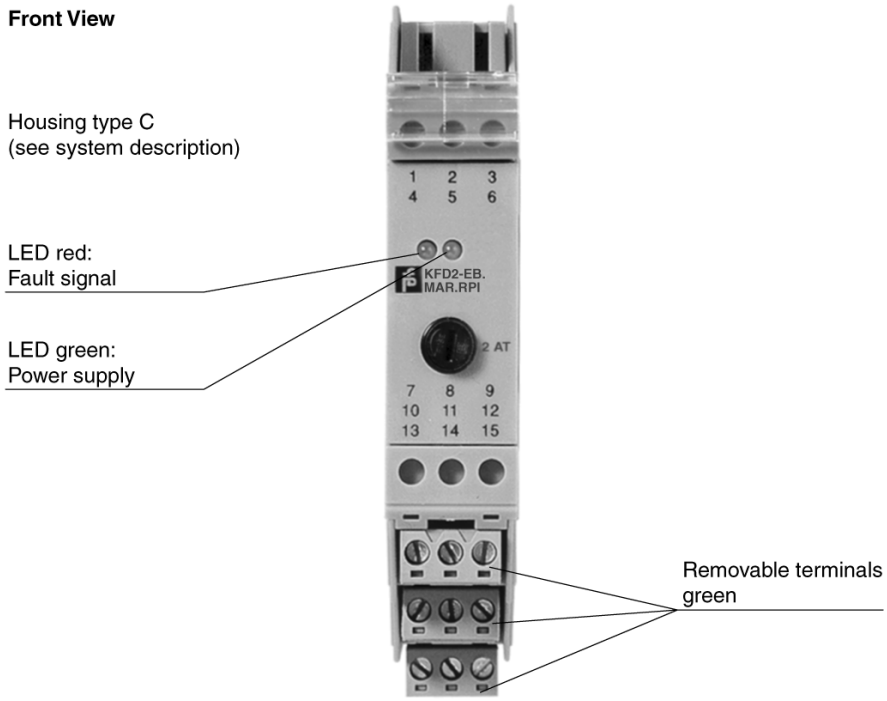
Two power feed modules can be used on a Power Rail as a redundant supply through the reverse diode "R".

Connection



Composition

Front View

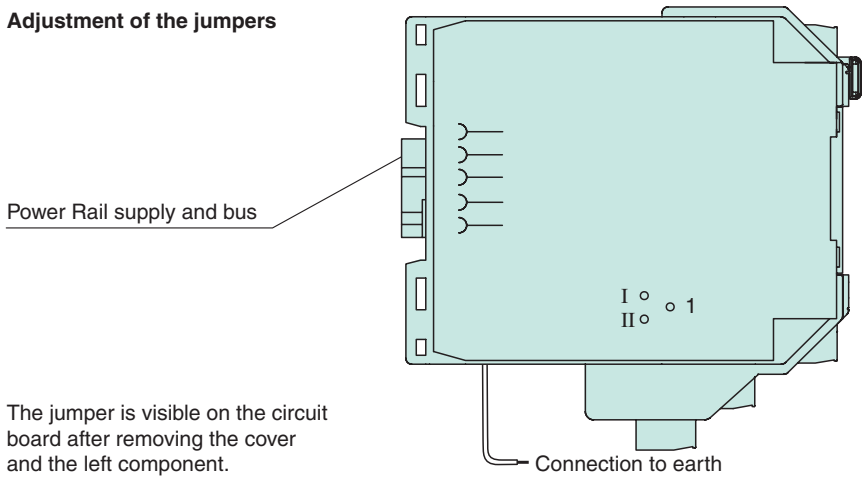


Release date 2006-06-28 15:27 Date of issue 2006-06-28 120971_ENG.xml

Supply	
Connection	terminals 11+, 12- terminals 8+, 9- grounding cable
Rated voltage	20 ... 30 V DC The maximum rated operational voltage of the devices plugged onto the Power Rail must not be exceeded.
Output	
Power Rail feed	output current: ≤ 2 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	
Electromagnetic compatibility	NE 21
Protection degree	IEC 60529
Ambient conditions	
Ambient temperature	-5 ... 60 °C (268 ... 333 K)
Damaging gas	acc. to ISA-S71.04-1985, severity level G3
Mechanical specifications	
Protection degree	IP20
Connection	terminal connection ≤ 2.5 mm^2
Mass	approx. 100 g
Dimensions	20 x 118 x 115 mm (0.8 x 4.6 x 4.5 in)
Mounting	DIN rail mounting
General information	
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



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

Release date 2006-06-28 15:27 Date of issue 2006-06-28 120971_ENG.xml