



- Switched power supply
- 100 ... 253 V V AC mains nominal voltage
- 9 V DC output voltage
- Output current max. 4 A
- Output voltage on: LED green
- Error message: LED flashing red
- Removable terminals
- Power supply for IS-RPI moduls RSD-GW-Ex1.MOD, RSD-GW-Ex1.PA and temperature transmitters of the series RSD-TI... in safe areas

**Safety instructions**

Only authorized personnel are permitted to install or operate the equipment. Connection (1/2/3) of the power supply voltage in accordance with VDE 0100 and VDE 0160. A protective and insulating device must be provided for disconnecting the power supply.

The power supply connection must be switched to a voltage-free state before beginning installation or service tasks. Do not plug in while current is flowing.

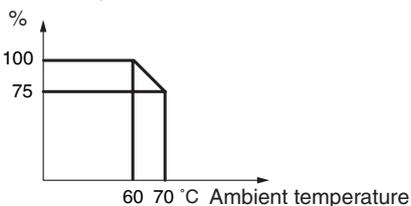
**Please note!**

Failure to observe the Safety Instructions (for example touching parts that are conducting electricity while the device is opened up or handling the device in an unprofessional manner) may be potentially lethal.

Exceeding the values listed in the technical data may cause danger of a device overheating, which in turn may destroy the power supply unit and have adverse effects on electrical safety.

**Derating**

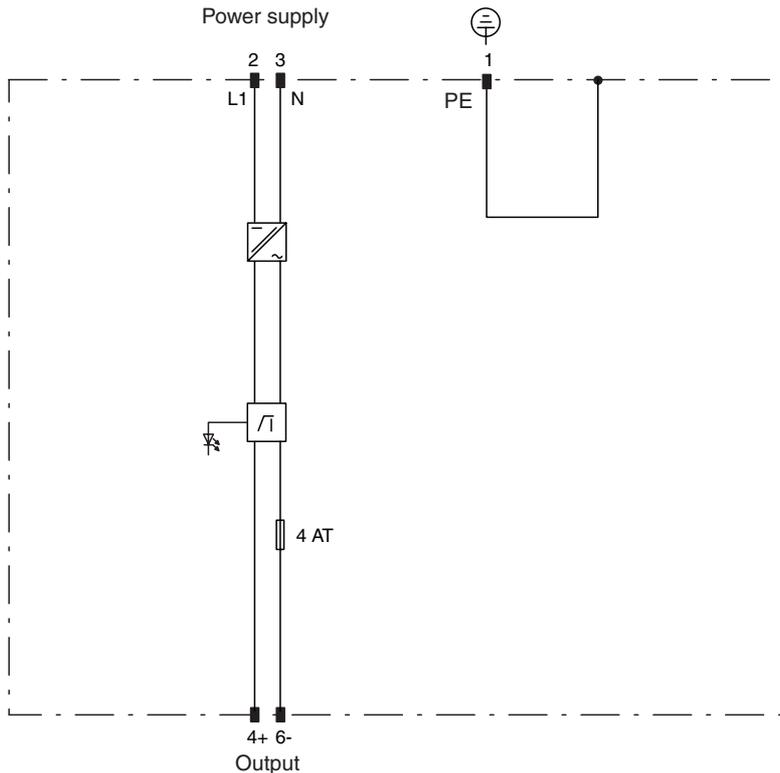
Power output



**Please note!**

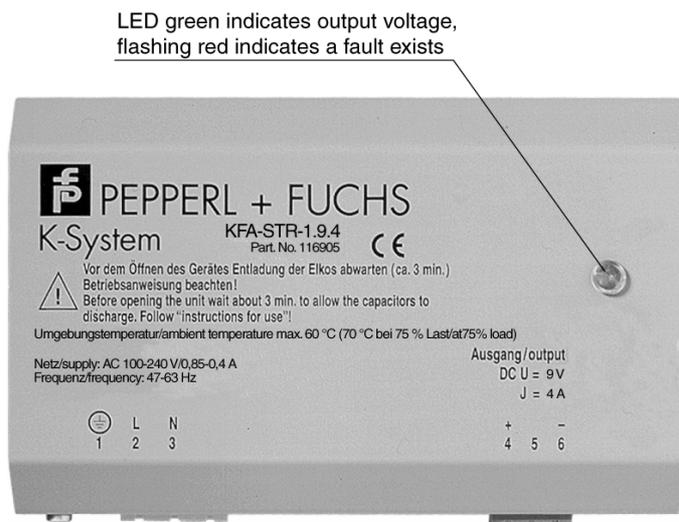
The IS-RPI system is no longer intrinsically safe when this power supply unit is used. Intrinsically safe circuit must not be connected.

**Connection**



**Composition**

**Front View**



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|                                      |   |
|--------------------------------------|---|
| <b>Supply</b>                        |   |
| Connection                           | terminals 2 (L1), 3 (N)   |
| Rated voltage                        | 100 ... 253 V AC , 47 ... 63 Hz   |
| Rated current                        | < 0.44 A at 230 V AC  |
| Failure override time                | > 75 ms / 230 V AC ; > 5 ms / 115 V ????  |
| <b>Output</b>                        |   |
| Connection                           | terminals 4+, 6-  |
| Current                              | 0 ... 4 A , electron. limitation typ. 5 A   |
| Voltage                              | 9 ... 9.4 V DC  |
| Ripple                               | < 50 mV <sub>SS</sub> at U <sub>e</sub> 230 V AC/20 °C                                |
| Efficiency                           | typ. 70 %   |
| Overvoltage protection               | < 15 V DC   |
| <b>Electrical isolation</b>          |   |
| Power supply/Output                  | for 253 V AC design insulation voltage  |
| <b>Electromagnetic compatibility</b> |   |
| Safety                               | acc. to VDE 0805/EN 60950/IEC 950   |
| Radio-interference supression        | acc. to EN 55011/EN 50022 class B   |
| Electrostatic discharge              | acc. to IEC 61000-4-2   |
| Contact discharging                  | 8 kV  |
| Air discharging                      | 15 kV   |
| Electromagnetic fields               | acc. to IEC 61000-4-3, 10 V/m   |
| Burst IEC 61000-4-4                  | input: 4 kV; output/capacitively coupled: 2 kV  |
| Surge IEC 61000-4-5                  | asymmetrical: L, N -> PE 4 kV; symmetrical: L -> N 4 KV                               |
| <b>Ambient conditions</b>            |   |
| Ambient temperature                  | -25 ... 60 °C (248 ... 333 K) with free convection                                    |
| <b>Mechanical specifications</b>     |   |
| Mass                                 | ; approx. 0.2 mA in 500 Ohm and 1 kOhm 21212 g  |
| Construction type                    | housing (W x H x D): 140 mm x 88 mm x 103.5 mm  |
| Mounting                             | , direct current (D.C.)   |
| Connection possibilities             | self-opening connection terminals,<br>max. core cross-section 2 x 2.5 mm <sup>2</sup> |

Notes

Dimensions

