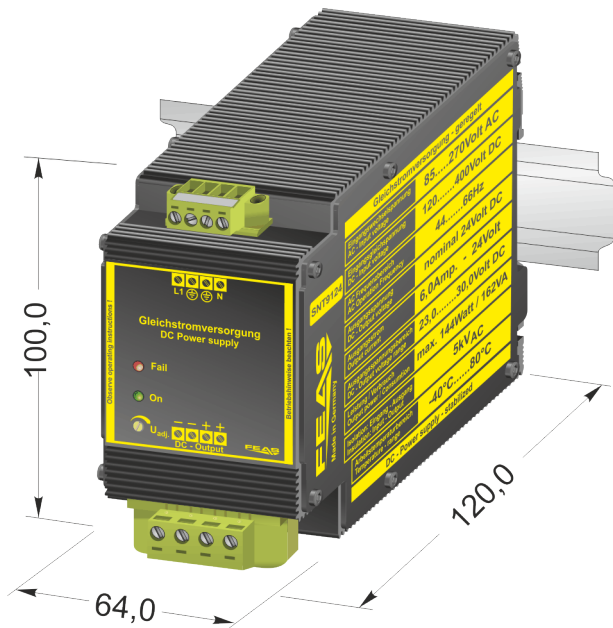


# Product specification

## Switch mode power supply SNT9124



- Input range: 85 - 270 V<sub>AC</sub> or 120 - 400V<sub>DC</sub>
- Output range: 23,0 - 30,0 V<sub>DC</sub>
- Boostfunction** 150% max. 32s
- PFC according to IEC/EN 61000-3-2
- simply mounting on DIN-rail or wall mounting with screws
- Device protection, shutdown on overtemperature
- Operating status shown by LED
- Parallel operatin possible, polarity reversal protection, short circuit proof, overload and open circuit protected
- Vibration proof, suitable for the tropics - exposy resin casted
- Output separated according to VDE0570
- Conforms to EMC and low voltage directive
- Safety according to VDE, EN, UL, CSA

### Application

The switch-mode power supplies of the SNT91 series are powerful and robust devices to power sensitive loads in a hard industrial environment.

These features result from the modern construction with a good radio shielding and high reliability integrated in a functional and stable casing.

The short circuit proof output DC voltage of this model can be adjusted from 23,0 to 30,0 V. The output current can rise up to 150% of rating, therefore this power supply is suitable for loads requiring high starting currents.

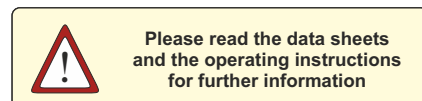
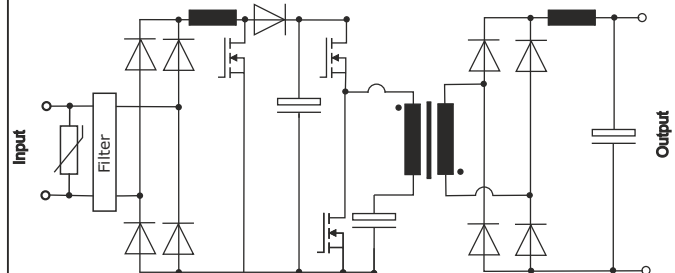
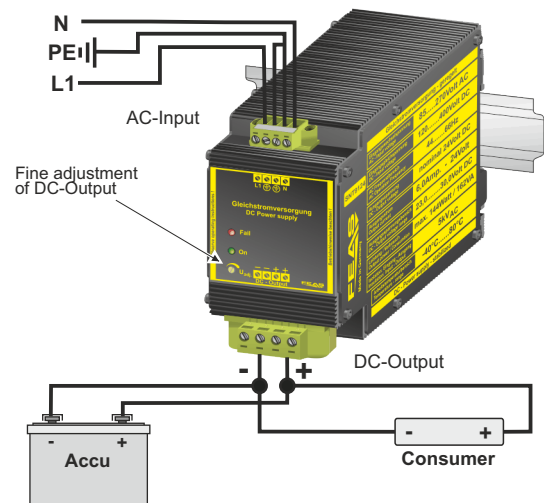
### Functional principle

The Series Power Supplies SNT91 work on the principle of the resonant half-bridge forward converter. Use of the current zero passage switching power semiconductor operates this power supply expressed efficiently.

Another great advantage of this topology is that the "soft" switching have a positive influence on the Emissions (EMI) effect. The dynamic regulatory is able, even with large load fluctuations, the output voltage stable. The integrated power-factor pre-regulation guarantees a very good power factor, the device makes it resistant to variations in input voltage and make the wide input voltage range possible.

### Design

Completely embedded with resin in an aluminium housing for mounting on a rail or mounting on wall with screws.



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