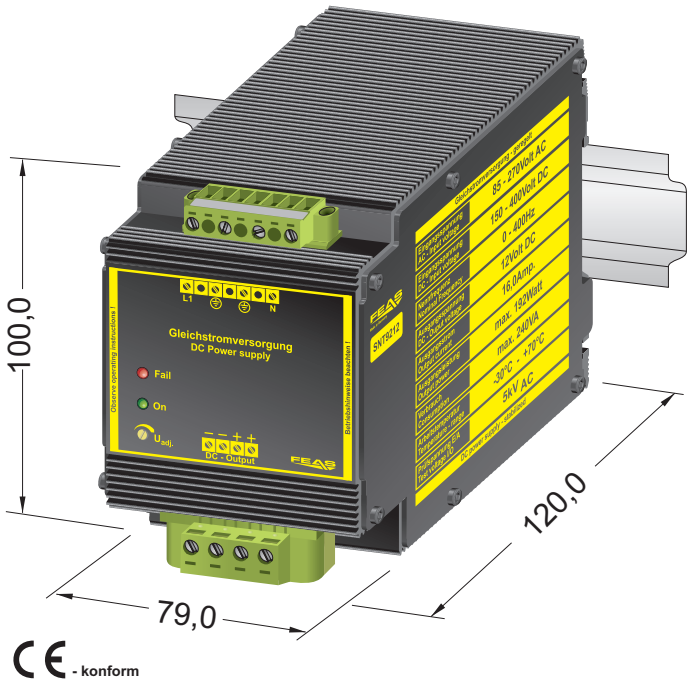
Product specification

Switch mode power supply **SNT9212**



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- **Input range: 85 - 270 V_{AC} or 120 - 400V_{DC}**
- **Output range: 11.5 - 16.0 V_{DC}**
- **Boostfunction** 120% max. 30s
- **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 ciruit protected**
- **Vibration proof, suitable for the tropics - exposy resin casted**
- **Output separated according to VDE0551**
- **Conforms to EMC and low voltage directive**
- **Safety according to VDE, EN, UL, CSA**

Application

The switch-mode power supplies of the SNT92 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 11.5 to 16.0V. The output current can rise up to 120% of rating, therefore this power supply is suitable for loads requiring high starting currents.

Functional principle

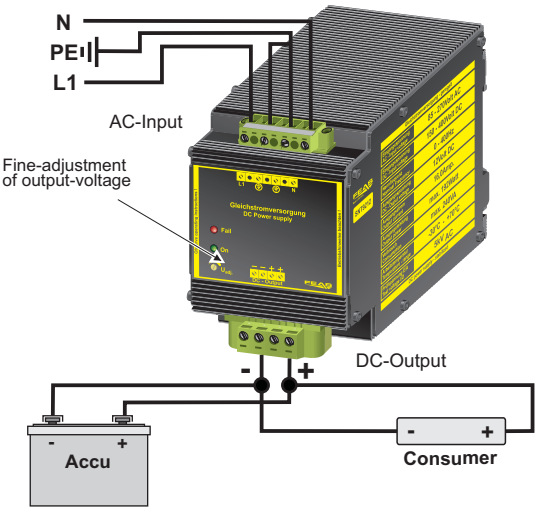
The Series Power Supplies SNT92 work on the principle of the resonant half-bridge forward converter. Use of the current zero passage switching power semiconductor operates this power supply expressed efficiently.

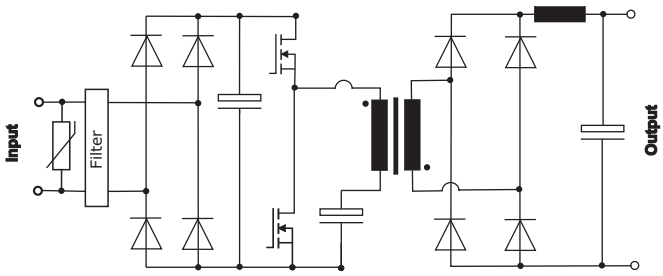
Another great advantage of this topology is that the "soft" switching have a positive influence on the Emissions (EMI) effect. The dynamic regulatory is able, even with large load fluctuations, the output voltage stable. The integrated power-factor pre-regulation guarantees a very good power factor,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

The adjustable "Fuse mode" - fuse protects the load circuit electronically with an optimal release characteristics. After switching off and switching on the power supply, the device is again usable.

Design

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





Please read the data sheets and the operating instructions for further information

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