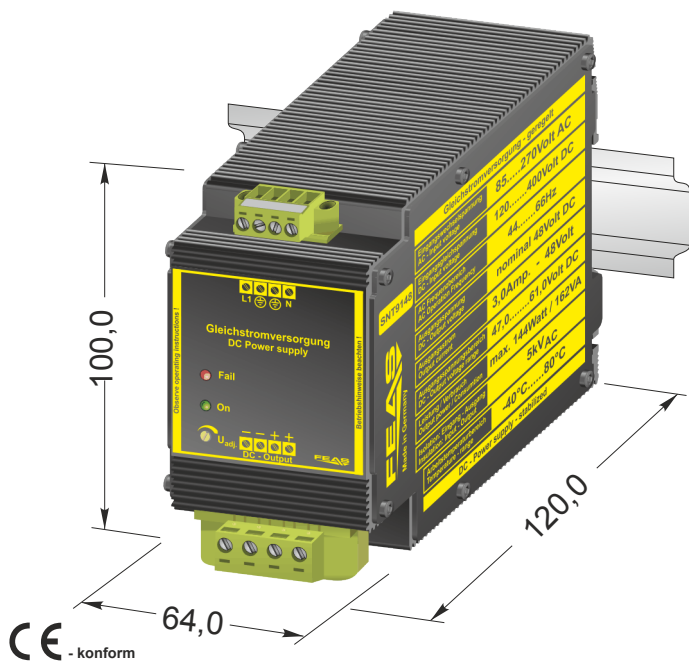


Product specification

Switch mode power supply SNT9148



- ☐ Input range: 85 - 270 V_{AC} or 120 - 400V_{DC}
- ☐ Output range: 47,0 - 61,0 V_{DC}
- ☐ **Boostfunction** 140% 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 operation possible, polarity reversal protection, short circuit proof, overload and open circuit protected
- ☐ Vibration proof, suitable for the tropics - epoxy 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 47.0 to 61.0 V. The output current can rise up to 140% 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.

