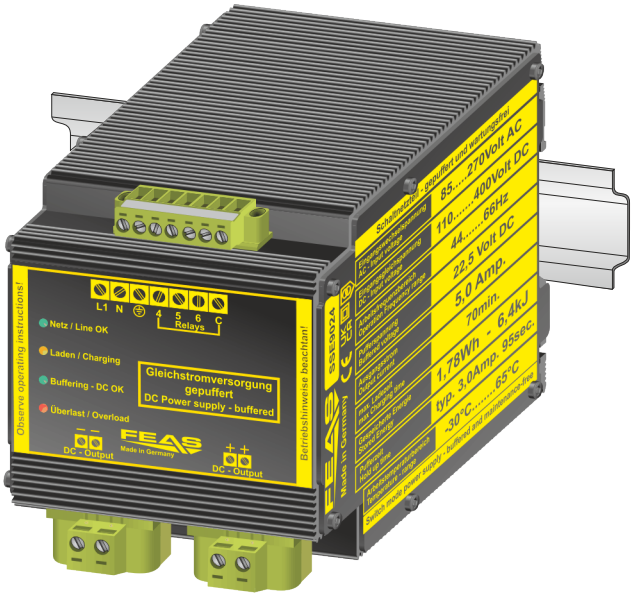
Product specification

Buffered switching power supply **SSE9024**



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- **Input range: 85 - 270V_{AC} or 110 - 400V_{DC}**
- **Output: 24V_{DC} / 5A**
- **Maintenance free - built with supercapacitors**
- **Buffer time: typ. 3,0 Amp. 95sec.**
- **Boostfunction: 120% $I_{Nominal}$**
- **Operating status shown by LEDs**
- **Suitable for the tropics, vibration proof exposy resin casted**
- **Simple Mounting on DIN-Rail**
- **Industrial-suited**
- **Overload and open circuit protected, short circuit proof, parallel operation possible**
- **Extra low safety potential** PELV (EN 60204), SELV (EN 62368)
- **Safety acc. to VDE, EN, UL, CSA**

Application

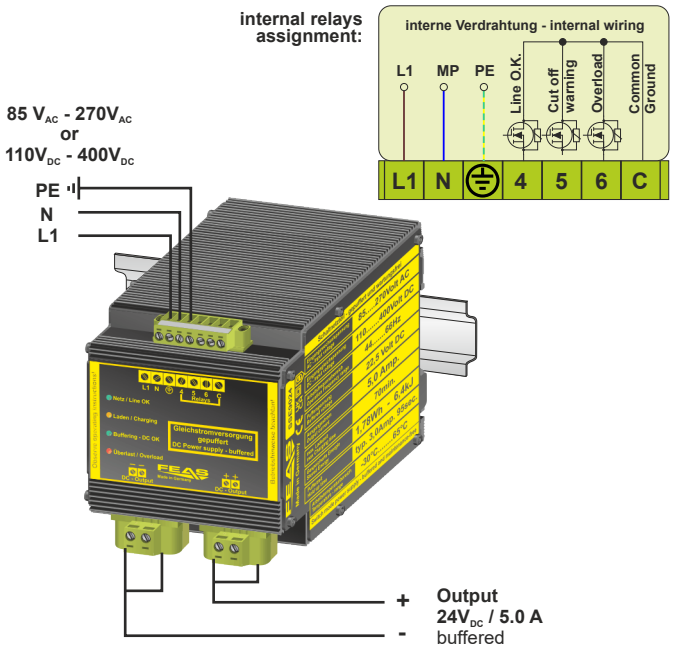
The buffered power supply SSE9024 is suited for medium-sized load which have to be supplied constantly. Through buffering load currents during line voltage faults, peak loads or switching operations, interferences at controls, caused by short blackouts, can be avoided. The integtated Buffer capacitors bypass short power failures and supply the consumer with energy, which guarantees a constant power supply. During an undisturbed mains the internal power supply supplies the facility with an output voltage of 24V_{DC}. The outputs are short circuit and open circuit proof.

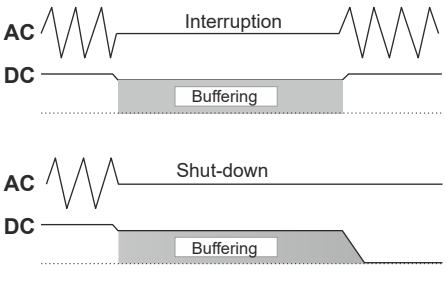
Operational principle

The integrated buffer capacitors store energy as long as the DC power supply voltage is available to deliver it controlled to the consumer in case of a power failure. Because most blackouts are shorter than 0.2 seconds and can be bypassed with the buffer module and the reliability of the complete system is considerably improved. After a power down or a line voltage failure the load current is taken over by the buffer module for a certain time. Thus for example operations can be finalized controlled and process data can be stored, to allow controlled restarts.

Design

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





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

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