

# Product specification

## Buffered switching power supply SSE901205



CE - konform

- Input range: 85 - 270V<sub>AC</sub> or 110 - 400V<sub>DC</sub>
- Output voltage: 12V<sub>DC</sub>
- Maintenance free - built without accumulators industrial-suited
- Boostfunction: 120% I<sub>Nominal</sub>
- Operating status shown by LEDs
- Parallel operation possible
- Suitable for the tropics, vibration proof epoxy resin casted
- Simple Mounting on DIN-Rail
- Short charge time - approx. 550s
- Overload and open circuit protected, short circuit proof
- Extra low safety potential PELV (EN 60204), SELV (EN 60950)
- Safety acc. to VDE, EN, UL, CSA

### Application

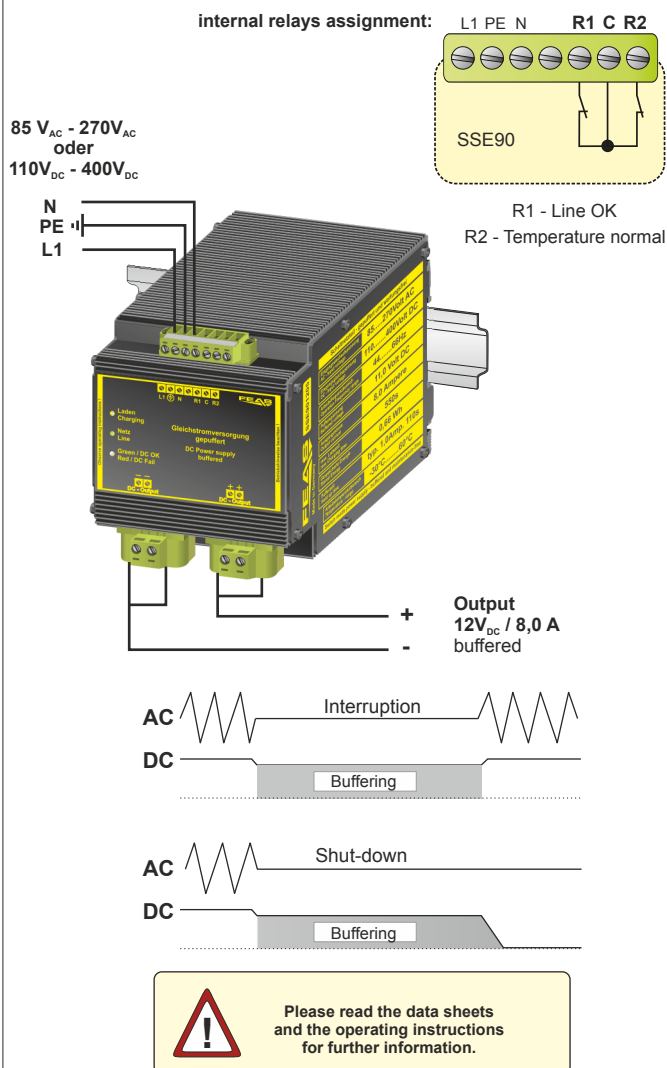
The buffered power supply SSE901205 is suited for medium-sized load which have to be supplied constantly. Through buffering load currents during line voltage faults, peak loads or switching operations, interferences at controls, caused by short blackouts, can be avoided. The integrated Buffer capacitors 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 12V<sub>DC</sub>. 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

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



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