

#### Features

- Compatible with all types of coupling cells
  - Strong parallel injection
  - KI-parallel injection
  - Loose parallel injection
  - 1000 V serial injection
  - Serial injection transformers
  - Low voltage injection (SRS-1008 and 1023)
- Output power from 8 kVA up to 400 kVA
- Current limitation and regulation function
- Programmable transmitter interface
- User-friendly construction using different functional modules (transmitter interface, power module, output unit)

All modules are developed and built by Swistec. The SRS power module is based on the state-of-the-art “fast trench + field stop” IGBT-modules that are freely available on the market. Its production is independent of third-party suppliers, Swistec can guarantee long-term availability and warranty for SRS power modules – just like for all Swistec-product.

#### Integrated and Communicative

- The Swistec-controller family RKS and the transmitter family SRS are compatible with each other and can act as one.
- The transmitter can be configured directly by the local controller RKS-12.
- All measurement values are permanently available.
- Thanks to the integrated RKS-concept remote configuration is possible by the central controller.

- The transmitter configuration files are administrated by the central controller.

Since the SRS is closely connected with the RKS-controller system it adds a new quality of transparency to ripple control transmitters. The maintain-ability as well as the reliability of the operations will be significantly enhance.

#### Expandable and universal

- Optional redundant operation. 2 Transmitter operate as a redundant pair in order to enhance the operation reliability.
- Customer specific options can be realized easily.
- The local controller unit (LCU) fits in the same cabinet.
- Additional equipment fits in the transmitter cabinet.

- Conventional control via the signals keying and standby or one channel control.
- Coded check-back signals.
- Programmable alarm outputs.

Using the new programmable transmitter interface module, the transmitter can be easily adapted to the local requirements.



## Technical Data

### Power modules overviews

▪ SRS-3040	40	(55) kVA	60	(83) A
▪ SRS-3060	60	(83) kVA	90	(124) A
▪ SRS-3090	90	(110) kVA	130	(160) A
▪ SRS-3120	120	(144) kVA	180	(216) A
▪ SRS-3160	160	(185) kVA	240	(270) A
▪ SRS-3200	200	(220) kVA	280	(300) A
▪ SRS-3300	300	(310) kVA	420	(450) A
▪ SRS-3400	400	(410) kVA	570	(585) A

Duty Cycle 20% (5%)

Version for low voltage injection

- SRS-1008 8 kVA 10 A
- SRS-102323 kVA 60 A

### Mains Input

- Input voltage 3 x 400 VAC +/-10%
- Input frequency 50 or 60 Hz

### Digital Inputs

- Alert
- Keying / standby or single channel
- 3 outputs on / off (single from coupling cell)
- 1 output frequency
- Switching between 2 configurable frequencies (programmable)
- 1 output voltage switching between 2 configurable output voltages.

### External input frequency

- Pilot frequency (from RKS-12 or existing GPS – pilot frequency generator)
- Switch internal / external (programmable)
- Configure behaviour if the pilot frequency signal is missing (programmable)

### Interface

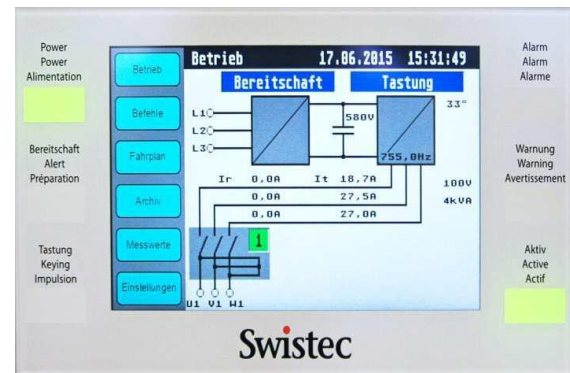
- TCP/IP, RJ 45
- RS 232

### Configuration

- RKS-12 Touch-panel
- RS 232 with PC Configuration program

### Supervision functions

- Duty cycle supervision
- Pulse length supervision
- Event memory up to 10000 events
- Alarm memory up to 10000 alarm events



Touch screen for display and operating

### Power Output

- 1-3 outputs
- Output voltage 50.. 400 V, selectable
- 2 output voltages, switchable via external inputs
- Output frequency 110 – 1600 Hz, 2 frequencies, switchable via external input
- Maximum switch frequency of power converter 8kHz
- Output current limitation, configurable
- Current control, configurable
- Short-circuit-proof

### Output Configuration

- Output contactor and short circuit contractor for fixed parallel injection.
- Output contactor and output transformer for loose and KI parallel injection.
- Output transformer and output ripple-control filter for serial injection.
- Short circuit contactor, output transformer and output ripple-control filter for low voltage injection.

### Ambient temperature

- 0° -45°, with fan over 30° or 35° selectable