

## Data Sheet



### Surge Voltage Generator SSG 500

The surge voltage generator SSG 500 is housed in a 19" case. Maximum surge energy 512 Ws, maximum surge voltage 16 kV.

Output voltage selectable in 3 ranges, 4 / 8 / 16 kV or 3 / 6 / 12 kV. Surge energy can be pre-selected for 56 % or 100 % on each voltage range.

Discharging of the high voltage capacitors into the faulty cable can be manually tripped or automatically by means of surge switch, with 10 or 20 pulses / min. When the instrument is switched off, the high voltage output is automatically discharged.

#### Features:

- 6 selectable output voltages up to 16 kV
- electromagnetically operated surge switch
- surge energy can be pre-selected: 288 / 512 Ws (on all voltage ranges)
- automatic discharge device
- voltage control in 3 measuring ranges with kV-meter
- control output for coupling of system SA 32 (SIM)
- security control according to VDE 0104
- possibility for connection of an external Emergency OFF-unit with signal lamps
- thermally tripped overload-protection

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## Technical data

	SSG 500
Mains supply	110 - 120 V with external autotransformer 220 - 230 V / 240 V
Mains frequency	45 Hz up to 60 Hz
max. power consumption (at short circuit)	1.500 VA
max. output voltage	16 kV
Measuring range of the voltmeter	0 - 4 kV / 0 - 8 kV / 0 - 16 kV
max. surge energy (position 100 %)	512 Ws
Impulse frequency	10, 20 Imp. / min
max. output current at DC - operation	
voltage range 4 kV	480 mA
voltage range 8 kV	240 mA
voltage range 16 kV	120 mA
Accuracy of the kV-meter	1,5 %
Operating temperature range	- 20 up to + 50 ° C
Weight	48 kg
Dimension of the housing (W x H x D)	502 x 286 x 390 mm

### Surge Voltage Generator SSG 500

#### Delivery includes:

- Surge voltage generator SSG 500 without accessories
- HV connection cable, fix mounted
- Mains connection cable
- Jumper plug for Emergency-Off socket
- Ground line; 3 m long
- Operating manual

#### Options:

- Hinged stand for 19" units up to 5U; working height approx. 90 cm
- Discharge rod ES 45; 6 kW
- External Emergency-Off unit with signal lamps; cable length 25 m
- External Emergency-Off unit with signal lamps; cable length 50 m

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