

## 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

**Technical data**

		SSG 500
Mains supply		220 - 230 V
	option:	110 - 120 V / 240 V (with external autotransformer or isolating transformer)
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 and earth rod GDR 40-250
- External Emergency-stop unit with signal lamps; cable length 25 m
- External Emergency-stop unit with signal lamps; cable length 50 m

