

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 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

