

AT96 Series

POWER SUPPLY PLUG-IN SPD

ATPLUG

AT-9601 ATPLUG:

Single phase line protection for Schuko.



This SPD is plugged directly in the same socket as the load to be protected.

Installation

To be installed **in parallel** with the loads plugged into the same socket. Its use is recommended in systems where overvoltage sensitive equipments are installed (computers, printers, servers, etc.) and always coordinated with protector type 1 or 2.



It contains an effective protection based upon suppressor diodes against transient overvoltages, aimed towards single-phase power supply lines.

Tight protection according to scaled protection recommended in Low Voltage Regulation (REBT ITC23).

Its installation is simple, complementing the load to protect no matter where it's placed.

Tested and certified as **Type 3 protectors** according to regulations EN 61643-11 and GUIDE-BT-23 from REBT. Suitable for **Categories I, II, III and IV** equipment according to ITC-BT-23 from REBT.

- Coordinable with other SPDs such as ATSHOCK, ATSHIELD, ATSUB and ATCOVER.
- Short response time.
- Discharge takes place in an internal encapsulated element, with no external flash.
- No interruptions in power supply, thus avoiding data loss and other inconvenient for the user.
- Thermic control device and visual warning. When the protector it OK the green light its on. When there is a failure the light turns off.

AT96 SPDs have been tested in **official, independent laboratories**, obtaining their characteristics according to relevant standards (related in the table).

⚠ Earth connection is a must. Earthing in all the installation must be bonded either directly or by a spark gap and resistance should be lower than 10Ω. If the indications of this datasheet are not fulfilled during the use or installation of the SPDs, the protection assured by this device could be endangered.

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Technical Datasheet

| Reference | | ATPLUG AT-9601 |
|---|-------------|---|
| Protection categories according to REBT: | | I, II, III, IV |
| Type of tests according to EN 61643-11: | | Type 3 |
| Nominal voltage: | U_n | 230V _{AC} |
| Maximum working voltage: | U_c | 255V _{AC} |
| Nominal frequency: | | 50 - 60Hz |
| Nominal discharge current (wave 8/20μs): | I_n | 3kA |
| Combined wave tension: | $U_{o.c.}$ | 6kV |
| Protection level at I_n (8/20μs wave): | $U_p(I_n)$ | 800V |
| Response time: | t_r | < 10ns |
| Working temperature: | ϑ | -40°C to +70°C |
| Dimensions: | | 105 x 90 x 59mm |
| SPD location: | | Outdoor |
| Type of connection: | | Parallel (one port) |
| Number of poles: | | 2 |
| Enclosure material: | | ABS |
| Enclosure protection: | | IP20 |
| Insulation resistance: | | > 10 ¹⁴ Ω |
| Autoextinguish enclosure: | | V-0 Type according to UNE-EN 60707 (UL94) |
| Certificated tests according to: IEC 61643-1, EN 61643-11 | | |
| Complies with requirements of: UL 1449 | | |
| Relevant standards: UNE 21186, NFC 17102, IEC 62305 | | |

Dimensions

