



> POWER SUPPLY PROTECTION FOR AREAS WITH LOW OVERVOLTAGES

> ATPLUG SERIES

> ATPLUG 130V

Electrical plug-in protector



It contains effective protection against transient overvoltages for single-phase power supply lines. **Tight** protection according to the cascade protection recommended in the Spanish Low Voltage Regulations (REBT ITC23).

Its installation is simple and intuitive, complementing the load to be protected regardless of where it is placed.

Type 3 protector according to the standard EN 61643-11 and GUÍA-BT-23 from the REBT. Suitable for **categories I, II, III and IV equipment** according to the REBT.

- > Can be coordinated with other ATSHOCK, ATSHIELD, ATSUB and ATCOVER series protectors.
- > Short response time.
- > Do not produce deflagration.
- > No interruptions in power supply at any time.
- > Thermodynamic control device and visual alarm. When the protector is OK, the green light is illuminated. When there is a failure, the light turns off.

ATPLUG series protectors have been tested in **official and independent laboratories**, obtaining their characteristics according to relevant standards (shown in the table).



Connection to earth is a must. Earthing in the whole installation must be bonded either directly or by a spark gap and resistance should be lower than 10 Ω . If the indications on this datasheet are not fulfilled during use or installation of the protectors, the protection provided by this device could be compromised.

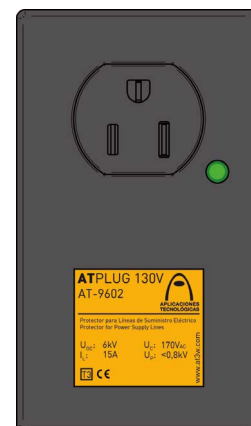
- > **AT-9602 ATPLUG 130V:** Single-phase line protection for type B NEMA 5 plug.

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 to the charges that want to be protected.

Its use is recommended in systems where equipment sensitive to overvoltages is installed (computers, printers, servers etc.) and always coordinated with type 1 or 2 protectors.





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> TECHNICAL DATASHEET

Reference:		ATPLUG AT-9602
Protection categories according to the REBT:		I, II, III and IV
Type of tests according to EN 61643-11:		Type 3
Nominal voltage:	U_n	130 V _{AC}
Maximum continuous operating voltage:	U_c	170 V _{AC}
Nominal frequency:		50 - 60 Hz
Nominal discharge current (8/20 μ s wave):	I_n	3 kA
Combined wave voltage:	$U_{o.c.}$	6 kV
Protection level for I_n (8/20 μ s wave):	$U_p(I_n)$	800 V
Response time:	t_r	< 10 ns
Working temperature:	ϑ	-40 °C to +70 °C
Dimensions:		105 x 80 x 59 mm
Protector location:		Outdoor
Type of connection:		Parallel (one port)
No. of poles:		2
Enclosure material:		ABS
Enclosure protection:		IP20
Insulation resistance:		> 10 ¹⁴ Ω
Self-extinguishing enclosure:		V-0 Type according to UNE-EN 60707 (UL94)

Certificated tests according to: UNE-EN 61643-11

Complies with requirements of: UL 1449

Relevant standards: UNE 21186, NF C 17-102, IEC 62305

> DIMENSIONS (MM)

