

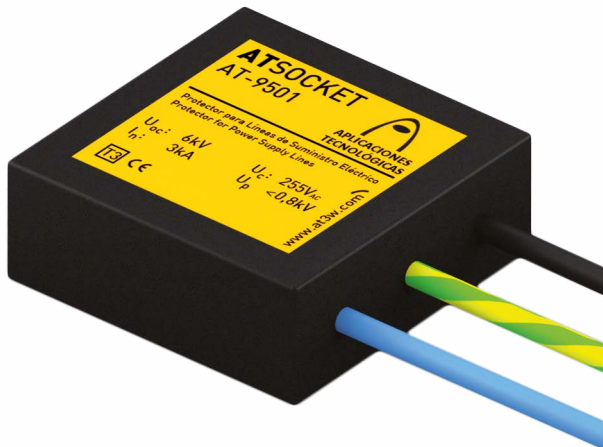


> POWER SUPPLY PROTECTION FOR AREAS WITH LOW OVERVOLTAGES

> ATSOCKET SERIES

> ATSOCKET

Indoor protector for power supply lines



- > **AT-9501 ATSOCKET:** Single-phase protection. $I_n = 3 \text{ kA}$
- > **AT-9505 ATSOCKET 5 kA:** Single-phase protection. $I_n = 5 \text{ kA}$

Its small size allows its fitting close to the voltage sockets that will be used by customers.

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).

Type 2 and 3 protectors according to EN 61643-11 and GUIA-BT-23 from REBT. Suitable for **categories I, II, III and IV equipment** according to the REBT.

- > Can be coordinated with other protectors such as those from the ATSHOCK, ATSHIELD, ATSUB and ATCOVER series.
- > Short response time.
- > Do not produce deflagration.
- > They do not cause any interruption to the power supply.
- > Small size modular protection.
- > Thermodynamic control device and sounding alarm (only AT-9501).

ATSOCKET series protectors have been tested in **official and independent laboratories** obtaining their characteristics according to applicable 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 10Ω . 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.

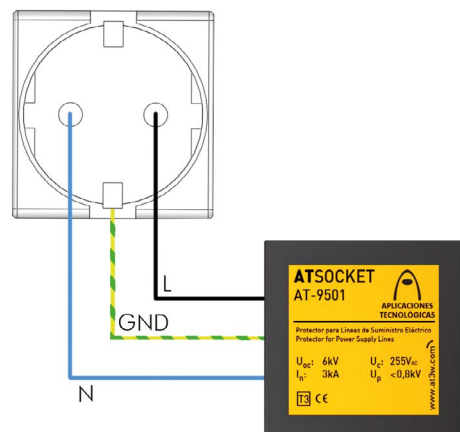
This protector is designed for its connection inside the cable channels that feed the sockets. **Especially designed for outdoor and street lighting.**

> INSTALLATION

To be installed **in parallel** with the low voltage power supply line, with connections to phase to be protected, neutral and ground.

Installation should be carried out **without power running through the line.**

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:		ATSOCKET AT-9501	ATSOCKET 5 kA AT-9505
Protection categories according to the REBT:		I, II, III and IV	
Type of tests according to EN 61643-11:		Type 3	Type 2 + 3
Nominal voltage:	U_n	230 V _{AC}	
Maximum continuous operating voltage:	U_c	275 V _{AC}	400 V _{AC}
Nominal frequency:		50 – 60 Hz	
Nominal discharge current (8/20 μ s wave):	I_n	3 kA	5 kA
Maximum discharge current (8/20 μ s wave):	I_{max}	-	15 kA
Combined wave voltage:	$U_{o.c.}$	6 kV	10 kV
Protection level for I_n (8/20 μ s wave):	$U_p(I_n)$	800 V	1400 V
Response time:	t_r	< 10 ns	
Working temperature:	ϑ	-40 °C to +70 °C	
Dimensions:		40 x 40 x 20 mm	
Protector location:		Indoor	
Type of connection:		Parallel (one port)	phase in series / neutral in parallel
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)	
Connections L/N/G:		Section 1.5 mm ² Length 100 mm	

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)

