

AT91 Series

PROTECTOR FOR TELEPHONE LINES WITH RJ45 CONNECTION

ATFONO RJ45

AT-9108 ATFONO RJ45:

prepared for telephone lines with connection type RJ45.



Efficient protection for telephone lines in modules with tight protection.

ATFONO RJ45 is a protector with **input and output connectors RJ45**, able to hold up nominal discharge currents of 2kA for each line.

- Both common and differential protection recommended for this type of lines.
- Protection for telephone lines and also for the digital and analogical equipment connected to these lines (fax, modem, etc).
- In normal conditions stays inactive, without affecting the line working and without producing any leakage.
- Discharge takes place in an internal encapsulated element, with no external flash.
- Very fast response.
- Includes cable with RJ45 connector of 50cm.

ATFONO RJ45 SPD has 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.

Installation

It is recommended that the installations are done as close as possible to the equipment. A telephone cable with a connector RJ45 has 4 wires. The ATFONO RJ45 protects in series these 2 pairs of wires.

For a complete protection it must be coordinated with an ATFONO protector on the main entrance of the line.

When the 2 devices to be protected are placed in different buildings and intercommunicated, SPDs should be placed both sides of the line.

The recommended procedure for its installation is the following:

1. Insert the protector between the cable with RJ45 connector and the equipment to protect.
2. Bond the protector to the ground through a connector type "faston" supplied.



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Technical Datasheet

Reference		ATFONO RJ45 AT-9108
Nominal voltage:	U_n	130V _{DC}
Maximum continuous operating voltage:	U_c	220V _{AC, DC}
Nominal discharge current for line C2 10kV(1,2/50μs) / 5kA(8/20μs):	$I_n(C2)$	2kA
Protection level for 1,2/50μs wave:	U_p	250V
Protection level at I_n (8/20μs):	$U_p(I_n)$	330V
Maximum working current:	I_L	300mA
Resistance series:	R_s	15Ω
Response time:	t_r	< 10ns
Working temperature:	ϑ	-40°C to +70°C
SPD location:		Indoor
Type of connection:		Series (two ports)
N° of pairs protected:		2
Dimensions:		70 x 47 x 30mm
Enclosure material:		Aluminium
Enclosure protection:		IP20
Input / Output connector:		RJ45 / RJ45 shielded
Earthing:		6mm Faston
Certificated tests according to: IEC 61643-21, EN 61643-21		
Complies with requirements of: UL 1449		
Relevant standards: UNE 21186, NFC 17102, IEC 62305		

Dimensions

