



> PROTECTION FOR DATA AND TELECOMMUNICATION LINES

> ATLAN SERIES

> ATLAN 1000 BASE-T CAT6

Individual protector for computer networks with category 6 cables.



- > **AT-2213 ATLAN 1000 BASE-T CAT6:** individual network SPD with category 6 cables.
- > **AT-2210 ATLAN 1000 BASE-T CAT6 POE:** individual POE (Power Over Ethernet) network SPD with category 6 cables.

ATLAN 1000 BASE-T CAT6 is a protector with **RJ45 crimped input cable and RJ45 output connector**, able to withstand current up to 2 kA for each line with a transfer speed of 250 MHz.

It is especially designed to individually protect every piece of equipment connected to a 1000 BASE-T computer network with category 6 wiring which **transmits a large amount of data** (workstations, graphic stations, servers etc.)

Includes 50 cm category 6 cable already crimped.

ATLAN CAT6 have been tested in **official and independent laboratories**, obtaining their characteristics according to relevant standards (shown in the table).

ATLAN protectors are especially designed to **prevent failures in data transfer between equipment within the same network**. They protect the electronic circuit inputs of the network cards against damage due to transient currents.

> INSTALLATION

Protection should be installed **as close as possible to the equipment**. A cable with RJ45 connector has 8 wires. ATLAN protects 4 pairs (8 wires) **in series**.

If there are two pieces of equipment located in **separate buildings but linked together**, the protection must be installed on both sides of the line.

The **recommended procedure** for installation is the following:

- 1 Insert the protector between the cable with RJ45 connector and the equipment to be protected.
- 2 Bond the protector to the ground using the 'faston' type connector provided.



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.

cable
from network



RJ45 cable
to PC



> PROTECTION FOR DATA AND TELECOMMUNICATION LINES

> ATLAN SERIES

> TECHNICAL DATASHEET

Reference:		ATLAN 1000 BASE-T CAT6 AT-2213	ATLAN 1000 BASE-T CAT6 POE AT-2210
Maximum transfer speed:		1000 Mbit/s	
Nominal voltage:	U_n	5 V _{DC}	48 V _{DC}
Maximum continuous operating voltage:	U_c	25 V _{DC}	60 V _{DC}
Nominal discharge current per line C2 4 kV (1.2/50 μs) / 2 kA (8/20 μs):	$I_n(C2)$	2 kA	
Protection level:	U_p	150 V	250 V
Maximum operating current:	I_L	300 mA	
Series resistance:	R_s	11 Ω	
Response time:	t_r	< 10 ns	
Working temperature:	ϑ	-40 °C to +70 °C	
Protector location:		Indoor	
Type of connection:		Series (two ports)	
No. of pairs protected:		4 pairs	
Dimensions:		68 x 47 x 30 mm	
Enclosure material:		Aluminium	
Enclosure protection:		IP20	
Input / output connector:		Crimped cable / RJ45	
Earthing system:		6 mm faston	

Certificated tests according to: UNE-EN 61643-21

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

> DIMENSIONS (MM)

