

ATLAN 1000 BASE-T CAT6 Series

SINGLE PROTECTOR FOR COMPUTER NETWORKS WITH CLASS 6 CATEGORY

ATLAN 1000 BASE-T-CAT6

AT-2213 ATLAN 1000 BASE-T CAT6:
*single network SPD
with category 6 wiring.*



Installation

Protection should be done **as close as possible to the equipment**. A UTP cable provided with a RJ45 connector has 8 wires. ATLAN protects in series 4 pairs of wire.

In case where two equipments located in **separated buildings but linked together** are to be protected, protection must be installed in both sides of the line.

The recommended installation procedure is as it follows:

1. Insert the protector between the network wire with RJ45 connector and the equipment to be protected.
2. Bond the protector to the ground through a connector type "faston" supplied.



ATLAN SPDs are specially designed **to avoid failures in data transfer between equipments inside the same network**. They protect the input of the electronic circuits of the network cards against harms due to transient currents.

ATLAN 1000 BASE-T CAT6 is a protector with **RJ45 input and crimped output connectors**, with a withstanding current up to 2kA for each line with a speed transmission of 250MHz.

It is designed to protect every single equipment connected to a 1000 BASE-T computer network with wiring of category 6 which transmit a **big amount of data** (working stations, graphic stations, servers...)

It is Included category 6 cable with connector RJ45 of 50 cm already crimped. ATLAN CAT6 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

		ATLAN 1000 BASE-T CAT6
Reference		AT-2213
Maximum speed transfer:		1000Mbit/s
Nominal voltage :	U_n	$5V_{DC}$
Maximum continuous operating voltage:	U_c	$25V_{DC}$
Nominal discharge current for line C2 4kV(1,2/50 μ s) / 2kA(8/20 μ s):	$I_n(C2)$	2kA
Protection level:	U_p	100V
Maximum working current:	I_L	300mA
Series resistance:	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)
Number of pairs protected :		4 pairs
Dimensions:		70 x 47 x 30mm
Enclosure material:		Aluminium
Enclosure protection:		IP20
Input / Output connector:		RJ45 crimped cable / 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

