

DATASHEET

CATEGORY: ATLAN
 NAME: **ATLAN 1000BASE-T POE**
 REFERENCE: **AT-2204**



PRODUCT DESCRIPTION

ATLAN 1000 BASE-T POE - Surge protector for POE computer networks in a metallic enclosure. 1 GBit/s. Protects power supply (48V) and data pairs. RJ45 input/output. Up = 200V. Includes RJ45 cable, 0,5 m long.



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.

ATLAN is a protector with RJ45 input and output, able to withstand current up to 2 kA per line.

It is designed to individually protect every individual piece of equipment connected to the computer network.

It is suitable for equipment which transmits a large amount of data (workstations, graphic stations, servers etc.)

Includes 50 cm cable with RJ45 connector.

ATLAN series protectors have been tested in official and independent laboratories, obtaining their characteristics according to relevant standards.

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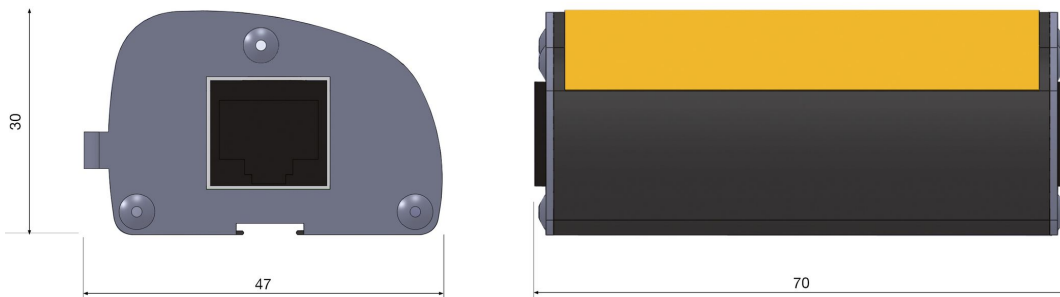
Reference	AT-2204
Maximum transfer speed	1000 Mbit/s
Nominal voltage (Un)	48 VDC
Maximum continuous operating voltage (Uc)	60 VDC
Nominal discharge current per line C2 (In (C2))	2 kA
Protection level at In(8/20 μs wave) (Up(In))	200 V
Maximum operating current (IL)	300 mA
Series resistance (Rs)	15 Ω
Response time (tr)	< 10 ns
Working temperature	-40 °C to +70 °C
Protector location	Indoor

Type of connection	Series (two ports)
Nr. of pairs protected	4 pairs
Dimensions	68 x 47 x 30 mm
Enclosure material	Aluminium
Enclosure protection	IP20
Input / output connector	RJ45 / RJ45 shielded
Earthing system	6 mm faston

> TESTS AND CERTIFICATIONS

Certificated tests according to: UNE-EN IEC 61643-21
 Relevant standards: UNE 21186, NF C 17-102, IEC 62305
 Products compliant with EC requirements.

> Diagram (mm)



INSTRUCTIONS

> INSTALLATION

Protection should be installed as close as possible to the equipment. A UTP cable with a 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:

- Insert the protector between the cable with RJ45 connector and the equipment to be protected.

- Bond the protector to the ground using the 'faston' type connector provided.



> SAFETY AND MAINTENANCE

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.

OTHER INFORMATION

> OTHER REFERENCES

AT-2107: ATLAN 100 BASE-T

AT-2207: ATLAN 1000 BASE-T

AT-2232: ATLAN, ATFONO accessory for DIN rail

> RELATED PRODUCTS



AT-2204
ATLAN 1000BASE-T
POE