

> PROTECTION OF POWER SUPPLY LINES

> ATLINK series

> ATLINK

Decoupling inductor for protector power supply coordination



- > AT-8435 ATLINK 35: for lines with  $I_L \leq 35$  A
- > AT-8463 ATLINK 63: for lines with  $I_L \leq 63$  A

Proper protection against transient overvoltages requires **good coordination between** protectors. ATLINK series inductors produce decoupling between protectors when they are connected **in parallel** on the same line so that each one acts at the right moment, achieving the double objective of withstanding the lightning current and reducing the overvoltage to an acceptable level for the connected equipment.

One ATLINK device is needed for each phase and another for the neutral. When selecting them, **the operating current of the line must be taken into account**, since this current will flow continuously through the device.

Its coordination capability has been tested and certified using **lightning wave** 10/350  $\mu$ s according to EN 61643-11.

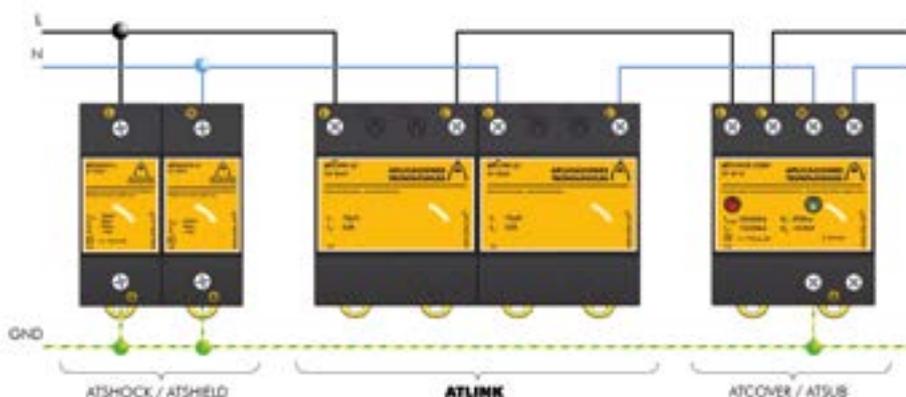
- > Enables installation of protectors for different stages in the same place, since the inductor substitutes the necessary length of cable for protector coordination.
- > Robust connectors, suitable for all types of connection.

ATLINK devices have been tested in **official, independent laboratories**, verifying that the protectors are correctly coordinated.

> INSTALLATION

**ATLINK inductors** are to be installed **in series** with the power supply line, that is, cutting the supply line and connecting the cable ends to the ATLINK input and output connectors. One ATLINK device is needed for each phase and another for the neutral. There should be no ground connection.

It coordinates the ATSHOCK and/or ATSHIELD protectors with ATSUB and/or ATCOVER protectors when they cannot be separated by a cable at least 10 metres in length.





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#### > TECHNICAL DATASHEET

Reference:		ATLINK 35 AT-8435	ATLINK 63 AT-8463
Protection categories according to the REBT:			I, II, III, IV
Maximum operating current:	$I_L$	35 A	63 A
Nominal voltage:	$U_n$	230 V <sub>AC</sub>	
Maximum continuous operating voltage:	$U_c$	275 V <sub>AC</sub>	
Nominal frequency:		50 - 60 Hz	
Nominal discharge current (8/20 $\mu$ s):	$I_{max}$	100 kA	
Impulse coordinated current (10/350 $\mu$ s):	$I_{imp}$	100 kA	
Inductance:	L	15 $\mu$ H	
Resistance:		3 m $\Omega$	
Protector location:		Indoor	
Type of connection:		Series (two ports)	
Working temperature:	$\vartheta$	-40 °C to +70 °C	
Dimensions:		72 x 90 x 80 mm (4 modules DIN 43880)	
Fixing:		DIN Rail	
Enclosure material:		Polyamide	
Enclosure protection:		IP20	
Insulation resistance:		> 10 <sup>14</sup> $\Omega$	
Self-extinguishing enclosure:		V-0 Type according to UNE-EN 60707 (UL94)	
Connections:		Min/Max multi-stranded section: 4 / 35 mm <sup>2</sup> Min/Max single-stranded section: 1 / 35 mm <sup>2</sup>	

Certificated tests according to: UNE-EN 61643-11

Complies with requirements of: UL 1449

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

(1) Required in cases where there is higher nominal current installed upstream from the protector

#### > DIMENSIONS (mm)

