

# AXON

## AIR Net Protector AIR Net Protector PROFESSIONAL AIR Net Protector DIN



The **AXON AIR Net Protectors** are designed to protect Ethernet devices working at 10/100/1000 Mb/s against pulse surges. They can also be used to protect any transmission using RJ45 signal connectors with working voltage of no more than the maximum voltage  $U_C=150V$ . They have been designed as the first-stage protection for connections, where there is a high risk of interference with considerable energy. One of the many examples of application is the protection of overhead teletransmission lines. High-strength protective elements secure each wire in the four-pair cable and discharge disturbances to the ground.

**AXON AIR Net Protector PROFESSIONAL** is a stronger version of **AXON AIR Net Protector**. Metal housing provides increased resistance to any kind of mechanical damage and provides shielding of the entire protective circuit. Shields of RJ45 connectors are interconnected and attached to the PE protective circuit. This ensures the continuity of shield connections while using an STP shielded cable.

The **AXON AIR Net Protector DIN** variant has been placed in a housing intended for installation in control cabinets and switchboards fitted with the popular 35mm rail.

IMPORTANT! For the proper operation of the protector, it is necessary to connect it to proper grounding or a PE wire. It is recommended that the zeroing effectiveness or the grounding resistance were consistent with applicable regulations.

NOTE: do not connect the unit's grounding wire to the lighting protection of the building!

### Common specifications:

Nominal voltage $U_N$	120V
Maximum voltage $U_C$	150V
Level of protection $U_F$ line-grounding	$\leq 1000V - 1.2/50\mu s, C2$
Nominal discharge current line-grounding $i_N$	$2kA - 8/20\mu s, C2$
Protected lines	1, 2, 3, 4, 5, 6, 7, 8
Standards	PN-EN 61643-21

### Specifications for AXON AIR Net Protector

Type of sockets	RJ45 (8P8C)
Length of the grounding wire	1m
Housing	plastic
Dimensions	66x60x30mm
Weight	0.08kg

### Specifications for AXON AIR Net Protector PROFESSIONAL

Type of sockets	RJ45 (8P8C) shielded
Length of the grounding wire	0.5m
Housing	metal, painted
Dimensions	70(95)x50x30mm
Weight	0.16kg

### Specifications for AXON AIR Net Protector DIN

Type of sockets	RJ45 (8P8C) shielded
Length of the grounding wire	0.3m
Housing	plastic
Dimensions	86x58x35mm
Weight	0.09kg

The manufacturer reserves the right to change the technical parameters of the device, resulting from technological progress.

NOTE! Specifications define the maximum values of voltage spikes, against which the device is protected.