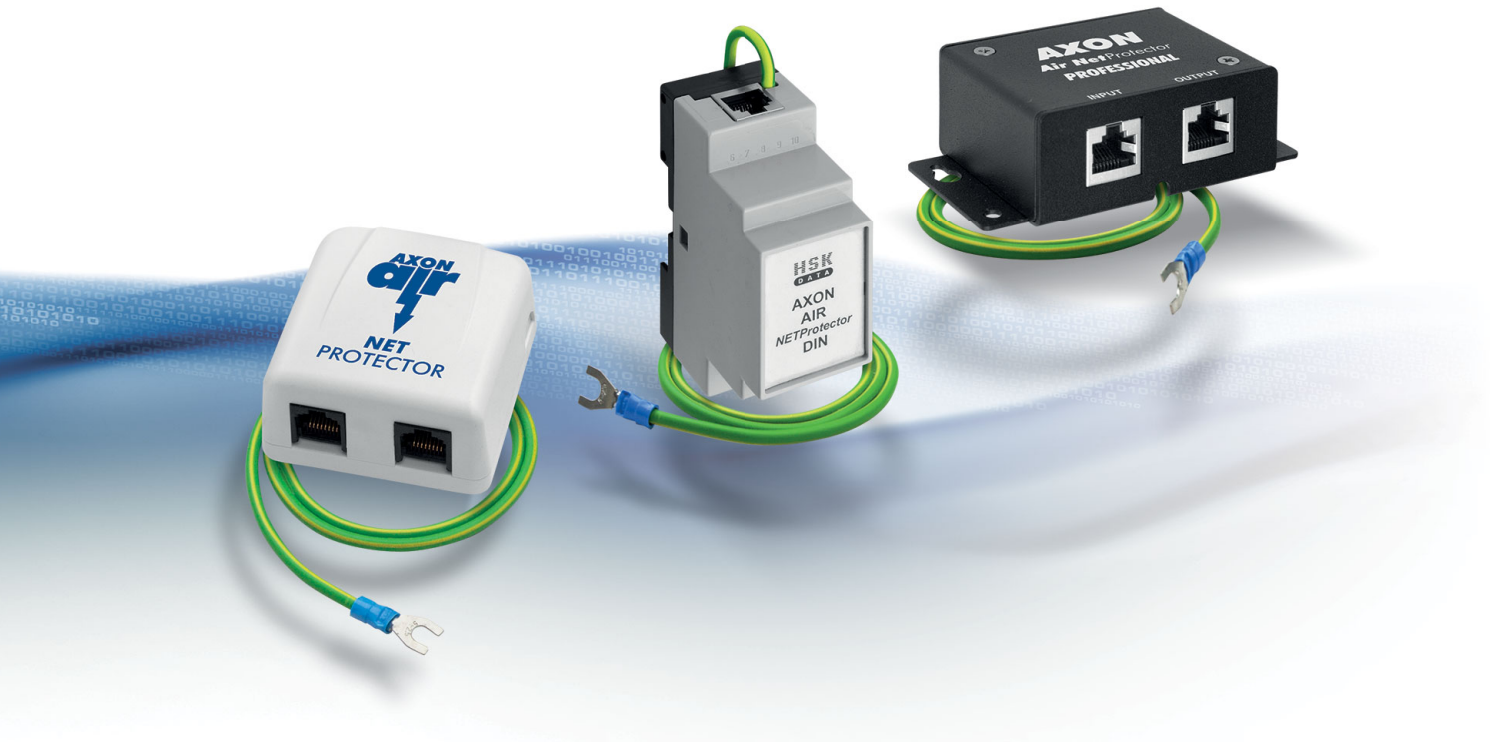
AXON AIR Net Protector
AXON AIR Net Protector PROFESSIONAL
AXON AIR Net Protector DIN

Surge protection of Ethernet terminal equipment – enhanced surge energy absorption



Common specifications:

Nominal voltage U_N	120V
Maximum voltage U_C	150V
Level of protection U_P (line-earthing)	≤1000V – 1,2/50µs, C2
Nominal discharge current i_N (line-earthing)	2kA – 8/20µs, C2
Protected lines	1, 2, 3, 4, 5, 6, 7, 8
Standards	EN 61643-21

Specifications only for ***AXON AIR Net Protector***

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

Specifications only for ***AXON AIR Net Protector PROFESSIONAL***

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

Specifications only for ***AXON AIR Net Protector DIN***

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

The ***AXON AIR Net Protectors*** are designed to protect the 10/100/1000 Mb/s Ethernet appliances against pulse surges. They can also be used to protect any kind of transmission using RJ45 connectors with operating voltage not exceeding Uc=150V. They have been designed as the first-stage protection for connections with a high risk of interferences of considerable energy. An example application of the device is the protection of overhead teletransmission lines. The high-strength protective elements secure each wire in the four-pair cable and discharge disturbances to the earth. The ***AXON AIR Net Protector PROFESSIONAL*** is a stronger version of the ***AXON AIR Net Protector***. The metal housing provides increased resistance to any kind of mechanical damages and provides shielding of the entire protective circuit. The shields of RJ45 ports are interconnected and attached to the PE protective circuit. This ensures the continuity of the shielding circuit 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.

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.

HSK DATA Ltd Sp. z o.o., phone +48 12 638 75 57, fax +48 12 637 09 84; e-mail: acar@hsk.com.pl; **www.hsk.com.pl**