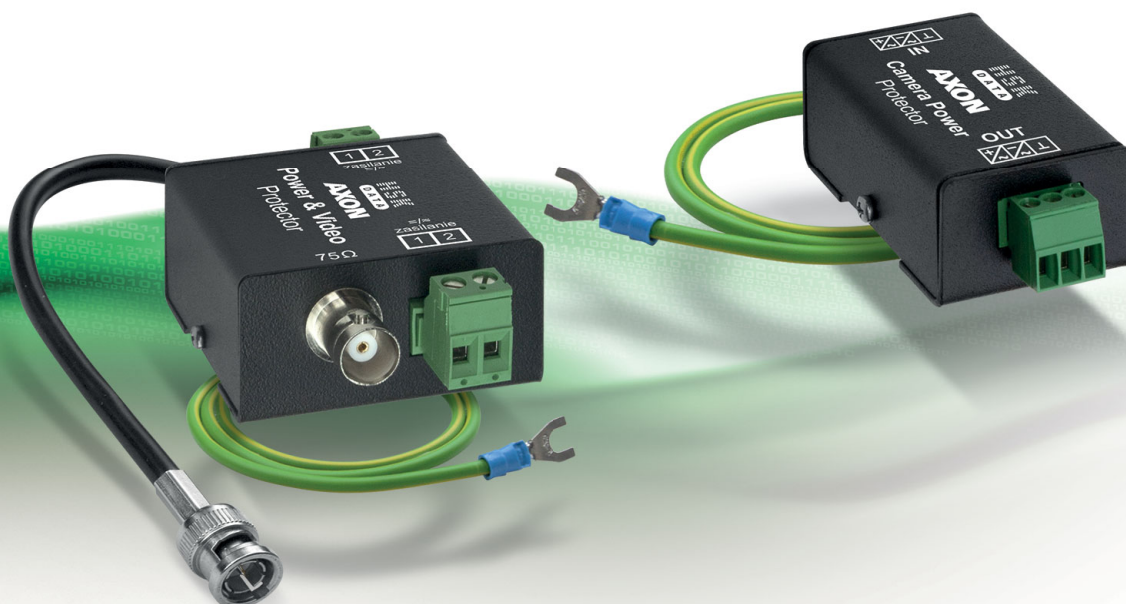




# AXON Power & Video Protector AXON Camera Power Protector

Surge protection of power supply  
and signal circuits of analogue CCTV cameras



### Common specifications:

	Power supply channel:
Nominal voltage $U_N$	50V=, 30V~
Maximum voltage $U_C$	56V=, 35V~
Nominal current $I_N$	3A=~/~
Level of protection $U_P$ (line-line)	$\leq 95V - 1kV/\mu s, C3$
Level of protection $U_P$ (line-earthing)	$\leq 1000V - 1.2/50\mu s, C2$
Nominal discharge current $i_N$ (line-line)	10A – 10/1000 $\mu s, C3$
Nominal discharge current $i_N$ (line-earthing)	5kA – 8/20 $\mu s, C2$
Standards	EN 61643-21

### Specifications only for AXON Camera Power Protector

Type of sockets	screw terminals max 1.5mm <sup>2</sup> , pluggable
Dimensions	63x30x20mm + 0.2m coaxial cable
Housing / Weight	metal, powder coated / 0.095kg

### Specifications only for AXON Power & Video Protector

	Signal channel:
Nominal voltage $U_N$	1V
Maximum voltage $U_C$	1.5V
Level of protection $U_P$ (line-line)	$\leq 6V - 1kV/\mu s, C3$
Level of protection $U_P$ (line-earthing)	$\leq 1000V - 1.2/50\mu s, C2$
Nominal discharge current $i_N$ (line-line)	25A – 10/1000 $\mu s, C3$
Nominal discharge current $i_N$ (line-earthing)	5kA – 8/20 $\mu s, C2$
Serial impedance $R_S$	$\leq 2\Omega$
Damping	0.05dB for 5MHz; 0.55dB for 100MHz
Type of sockets	2x BNC 75 $\Omega$ + screw terminals max 2.5mm <sup>2</sup> , pluggable
Dimensions	70x50x25mm + 0.2m coaxial cable
Housing / Weight	metal, powder coated / 0.135kg

The **AXON Camera Power Protector** and the **AXON Power & Video Protector** are designed for surge protection of electronic devices operating in analogue CCTV systems such as cameras, monitors and video recorders.

The **AXON Camera Power Protector** incorporates protective elements that limit the overvoltages that occur between the power line and the PE protective conductor, discharging the surge energy to the earth.

The **AXON Power & Video Protector** is a two-channel device. One channel is used to protect the video signal while the other one protects the camera's external power supply. The device also includes elements that limit the dangerous voltage that may occur between the signal line and the cable shield. The BNC socket is directly connected to the housing, while the BNC connector is mounted at the end of 20 cm coaxial cable. The devices have a metal, shielding housing. The earthing wire terminated with a fork terminal is led out of the housing but it is not connected directly to it.

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.