

Code: AXON-RS-485

OVERVOLTAGE LIMITER **AXON-RS-485** RS-485 SYMMETRIC LINE

The AXON-RS-485 surge arrester is designed to overvoltage protection of electronic devices working in CCTV cameras control systems based on RS-485 transmission or its varieties with voltage lower than 5V. The AXON-RS-485 is equipped with the protective elements which limit the overvoltages appearing between transmission lines and PE wire and also carrying away the discharge current to the ground. The device has also the elements limiting the dangerous voltage may occur between the lines. Due to it, the AXON-RS-485 provides wide-range protection of the connected devices. The AXON-RS-485 is equipped with metal shielding housing. Removable screw terminals are used as connecting elements. The A, B terminals are used for connection the protecting transmission lines, the third terminal can be use by installer to connect the signal ground. Additional terminal is not pre-connected to the ground. The grounding cable is led out, connected directly to the housing and terminated with fork end. The device is an asymmetric protector. The transmission line is connected to "Line" terminals and the protected equipment to "Equip" connector. The condition of correct protection is connecting the AXON-RS-485 device to the proper grounding or PE wire.



Nominal voltage:	6 V
Nominal current:	0.75 A
Maximal voltage:	10 V
Nominal discharge current line-PG [C2]:	5 kA (8/20µs)
Nominal discharge current line-PG [C3]:	25 kA (10/1000µs)
Voltage protection level line-PG [C2]:	1000 V
Voltage protection level line-PG [C3]:	16 V
Serial impedance per line:	2 Ω
Bandwidth:	0 ... 1 MHz
Capacitance line-line:	50 pF
Capacitance line-PG:	16 pF
Connectors:	2x triple screw terminal, removable, 3.5 mm distance
Protection parameters compliance:	Compliance with PN-EN61643-21
Dimensions:	63 x 30 x 20 mm
Weight:	0.08 kg
Guarantee:	2 years