SURGE PROTECTION

AIDITEC SYSTEMS

شرکت فنی و مهندسی سپانیرو تلفن : ۶۶۱۳۴۳۹۴ نمابر :۰۲۱-۸۹۷۷۹۵۴۶ web : www.sepaniro.com

Surge Protection devices for power supply lines

Surge arresters Type 1

The surge arresters type 1 are recommended for installations where there is a high probability of atmospheric discharges.

Compact surge arresters



Reference	Description	Uc. Max	Iimp	Up
300 010	Tetrapolar protector	255 V	100 kA	1,2 kV
300 011	Bipolar protector	255 V	100 kA	1,2 kV
300 012	Unipolar protector for F-N	255 V	50 kA	1,2 kV
300 013	Unipolar protector for N-T	255 V	100 kA	1,2 kV

Available for all types of grounding system: TT, IT, TN-S and TN-C.
Standards: IEC 61643-1 / EN 61643-11 / UL 1449

Pluggable surge arresters



Reference	Description	Uc. Max	Iimp (F-N / N-T)	Up
300 022	Unipolar protector for F-N	255 V	25 kA	1,5 kV
300 023	Unipolar protector for N-T (*)	255 V	100 kA	1,5 kV
300 024	Bipolar protector (*)	255 V	25/100 kA	1,5 kV
300 025	Tetrapolar protector (*)	255 V	25/100 kA	1,5 kV

(*) N-T protectors. NOT pluggable.
For remote signaling please consult price and reference.
Available for all types of grounding system: TT, IT, TN-S and TN-C.
Standars : IEC 61643-1 / EN 61643-11 / UL 1449

Cartridges for pluggable surge arresters



Reference	Description	Uc. Máx	Iimp	Up
300 604	F-N cartridges	255 V	25 kA	1,5 kV

Surge arresters Type 1 + 2

The surge arresters Type 1 + 2 are installed at the head of installations to protect and it is combined the characteristics of Type 1 and Type 2.

Compact surge arresters

Reference	Description	Uc. Max (F-N / N-T)	Iimp (L-N) (F-N / N-T)	Up
300 060	Tetrapolar protector	255 V / 255 V	12,5 / 25 kA	1,2 kV
300 061	Bipolar protector	250 V / 255 V	12,5 / 25 kA	1,2 kV
300 062	Unipolar protector	255 V	25 kA	1,2 kV

For remote signaling please consult price and reference.
Available for all types of grounding system: TT, IT, TN-S and TN-C.
Standars: IEC 61643-1 / EN 61643-11 / UL 1449









Surge arresters Type 2

The surge arresters Type 2 are installed at the head of electrical installations and at secondary power panels.
Protect electronic and electrical equipment against transient overvoltages of origin industrial, atmospheric and maneuvering.

Pluggable surge arresters





Reference	Description	Uc. Max	In	I Max	Up
300 120	Unipolar protector	250 V	10 kA	25 kA	1,2 kV
300 121	Unipolar protector	250 V	20 kA	40 kA	1,2 kV
300 122	Unipolar protector	250 V	30 kA	60 kA	1,2 kV
300 140	Bipolar protector	250 / 255 V	10 kA	25 kA	1,2 kV
300 141	Bipolar protector	250 / 255 V	20 kA	40 kA	1,2 kV
300 142	Bipolar protector	250 / 255 V	30 kA	60 kA	1,2 kV
300 130	Tetrapolar protector	250 / 255 V	10 kA	25 kA	1,2 kV
300 131	Tetrapolar protector	250 / 255 V	20 kA	40 kA	1,2 kV
300 132	Tetrapolar protector	250 / 255 V	30 kA	60 kA	1,2 kV

For remote signaling please consult price and reference.
Available for all types of grounding system: TT, IT, TN-S and TN-C.
Standards: IEC 61643-1 / EN 61643-11 / UL 1449

Cartridges for pluggable surge arresters



Reference	Description	Uc. Max	In	I Max	Up
300 635	F-N Cartridges	250 V	10 kA	25 kA	1,2 kV
300 636	F-N Cartridges	250 V	20 kA	40 kA	1,2 kV
300 637	F-N Cartridges	250 V	30 kA	60 kA	1,2 kV
300 638	N-T Cartridges	255 V	10 kA	30 kA	1,2 kV
300 639	N-T Cartridges	255 V	20 kA	40 kA	1,2 kV
300 640	N-T Cartridges	255 V	30 kA	60 kA	1,2 kV

Surge arresters Type 3

The surge arresters Type 3 are installed in the electrical supply of final receptors and coordinated with Type 2 surge arresters.

Compact surge arresters



Reference	Description	Uc. Max	In (F-N / N-T)	I Max (F-N / N-T)	Up (F-N / N-T)
300 202	Bipolar Protector	250 V	5/10 kA	10/20 kA	1,2/1,5 kV

It Includes LED for status signaling.
Available for all types of grounding system: TT, IT, TN-S and TN-C.
Standards: IEC 61643-1 / EN 61643-11 / UL 1449

Pluggable surge arresters



Reference	Description	Uc. Max	In	I Max	Up
300 210	Unipolar protector	250 V	7 kA	15 kA	1,2 kV
300 211	Bipolar protector	250 V	7 kA	15 kA	1,2 kV
300 212	Tetrapolar protector	250 V	7 kA	15 kA	1,2 kV

For remote signaling please consult price and reference.
Available for all types of grounding system: TT, IT, TN-S and TN-C.
Standars: IEC 61643-1 / EN 61643-11 / UL 1449

Cartridges for pluggable surge arresters



Reference	Description	Uc. Max	In	I Max	Up
300 634	Cartridge	250 V	7 kA	15 kA	1,2 kV

Surge Protection devices for photovoltaic installations

Surge arresters Type 2 for protection devices working on continuous current. Protect photovoltaic equipment against transient overvoltages of atmospheric origin and maneuvering.

Pluggable surge arresters



Reference	Description	Uc. Max	In	I Max	Up
300 172	Tripolar protector	600 Vcc	20 kA	40 kA	1,8 kV
300 173	Tripolar protector	1060 Vcc	20 kA	40 kA	3,2 kV

For remote signaling please consult price and reference.
Standars: IEC 61643-1 / EN 61643-11 / UL 1449

Cartridges for pluggable surge arresters



Reference	Description	Uc. Max	In	I Max	Up
300 641	Cartridges	320 Vcc	20 kA	40 kA	1,0 kV
300 642	Cartridges	530 Vcc	20 kA	40 kA	1,6 kV

Surge Protection devices for data lines

Surge arresters for data lines protect the electronic equipment in the network of communication against any overvoltage induced on the data lines.
These arresters must be installed as close as possible to the equipment to protect.

Pluggable surge arresters for data lines



Reference	Description	Uc. Max	In	I Max	Up (L-L / L-T)	IL
300 301	Base for nominal voltages of 5V, 12V, 24V and 48V.					
300 310	Protection 1 pair (Cartridge)	6 Vcc	5 kA	10 kA	80/350 V	500 mA
300 311	Protection 1 pair (Cartridge)	15 Vcc	5 kA	10 kA	150/350 V	500 mA
300 312	Protection 1 pair (Cartridge)	28 Vcc	5 kA	10 kA	200/500 V	500 mA
300 313	Protection 1 pair (Cartridge)	60 Vcc	5 kA	10 kA	250/500 V	500 mA
300 302	Base for nominal voltages of 110V and 250V.					
300 314	Protection 1 pair (Cartridge)	180 Vcc	5 kA	10 kA	1/0,75 kV	500 mA
300 315	Protection 1 pair (Cartridge)	280 Vcc	5 kA	10 kA	0,5 kV	500 mA

Surge arresters for telephone lines ,ADSL and Ethernet





Reference	Description	Uc. Max	In (L-L / L-T)	I Max (L-L / L-T)	Up (L-L / L-T)	IL
300 520	Protector for telephone lines with RJ11 connector	180 Vcc	2 kA	5 kA	200/500 V	0,5 A
300 522	Protector for Ethernet with RJ45 connector. Cat 5	6 Vcc	0,1/1 kA	0,3/2 kA	15/800 V	1 A
			For 100 Mega Bytes			
300 523	Protector for Ethernet with RJ45 connector. Cat 6	6 Vcc	0,1/2 kA	0,3/4 kA	30/800 V	1 A
			For 1000 Mega Bytes			

Standar: IEC 61643-21.

Surge Protection devices for coaxial cables

Surge arresters for coaxial cables protect electronic equipment associated with the coaxial installation against any overvoltage induced on coaxial cables.
These arresters must be installed as close as possible to the equipment to protect.







Reference	Description	Uc. Max	I Max	Impedance	Up
300 463	Protector BNC type Female - Female	70 Vcc	20 kA	75 ohm	700 V
300 464	Protector BNC type Female - Female	200 Vcc	20 kA	75 ohm	750 V
300 465	Protector BNC type Male - Female	70 Vcc	20 kA	75 ohm	700 V
300 466	Protector BNC type Male - Female	200 Vcc	20 kA	75 ohm	750 V
300 467	Protector F type Female - Female	70 Vcc	20 kA	75 ohm	700 V
300 468	Protector F type Female - Female	200 Vcc	20 kA	75 ohm	750 V
300 460	Protector F type Male - Female	70 Vcc	20 kA	75 ohm	700 V
300 462	Protector F type Male - Female	200 Vcc	20 kA	75 ohm	750 V

Standard: IEC 61643-21.
Available in other types of connection and impedance.

NOTE:
In this catalog are contemplated the most common protectors. If you need a protector with different characteristics to those contained in this catalog, contact us and our technical department will advise you in choosing the most appropriate protector.
(Tlf - 0034 963842957 - info@aiditecsystems.com)

INTERNATIONAL



GENERAL CONDITIONS

- Standard packaging is included.
- All products are guaranteed a minimum of 2 years against manufacturing defects.

LEGAL NOTICES

- Due to the policy of constant improvement of our products, AIDITEC SYSTEMS, SL reserves the right to change without notice products of this catalog.
- The photos, drawings and technical descriptions of this catalog are not contractual. AIDITEC SYSTEMS, SL You reserve the right to change at any time and without notice manufacture, according to the evolution standards and techniques used at all times.
- AIDITEC SYSTEMS, SL is not responsible for printing errors that may appear in this catalog.
- Only copy, electronic reproduction or other under authorization of AIDITEC SYSTEMS, SL.

Date edition: October 2016 - 5th Edition. This catalog replaces the previous until further notice.

CENTRAL

AIDITEC SYSTEMS, SL - C/ Torres, 7 - Bajo Derecha - 46018 Valencia ESPAÑA - Tel. 0034 96 384 29 57 - info@aiditecsystems.com

www.aiditecsystems.com

INGENIERÍA I + D

MD TECNOLÓGICOS - C/ Torres, 15 - Bajos - 46018 Valencia ESPAÑA - Tel. 0034 96 370 50 97 - mdtecnologicos@mdtecnologicos.com

www.mdtecnologicos.com

Empresa Asociada a ITE INSTITUTO TECNOLÓGICO DE LA ENERGÍA