

# SURGE ARRESTOR BOX

ELENOS SAFETY KIT

Elenos S.r.l. [info@elenos.com](mailto:info@elenos.com) / [www.elenos.com](http://www.elenos.com)

Elenos Via G. Amendola 9 / 44028 Poggio Renatico Ferrara (Italy) / Ph +39 0532 829965  
Elenos USA 1315 NW 98th Ct. Suite 9 / 33172, Miami (Florida) / Ph 1-855-ELENOS-0 (1-855-353-6670)  
Elenos APAC 53/64 Saracha Villa, Sansuk / Muang Chonburi, Thailand / Ph +66 83 618-9333

**ELENOS**<sup>®</sup>  
World Broadcast Experience

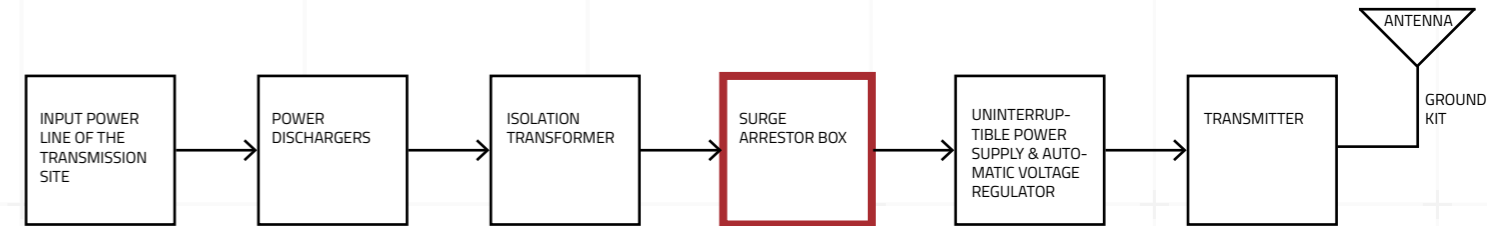
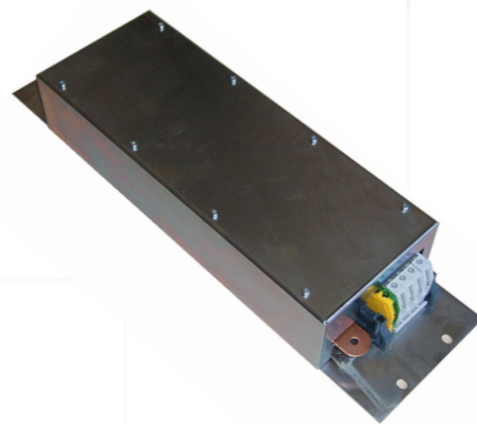


## SURGE ARRESTOR BOX

To ensure proper protection and product warranty and a longer operational life for your transmitter Elenos recommends the use of a Surge Arrestor Box, as well as proper AC line conditioning.

The Surge Arrestor Box is designed to eliminate voltage surges produced by lightning from the AC power line. It is intended for installation directly in the transmitter equipment rack, just prior to the electrical distribution panel. For maximum protection the use of an external isolation transformer with grounded shield is also recommended. This should be placed just before the Surge Arrestor Box, in combination with other power line conditioning at the transmission site.

A proper ground potential is strongly recommended, in accordance with professional design practices and local safety requirements. A good ground connection, with a very low values of resistance and inductance is required for the Surge Arrestor Box and for proper functioning of the entire AC electrical system.



### Specification:

**Activation voltage**

420VAC

**Waveform of acceptable surges**

8us (rise time)

20us (falling time)

**Maximum discharge current**

60kA (L-ground)

40kA (N-ground)

**Versions**

3-ph with n.4 surges arrestors inside (purchase Elenos code **E3KPZ020**)

1-ph with n.2 surges arrestors inside (purchase Elenos code **E3KPZ021**)

