

## DOWN-CONDUCTORS

### Accessories

## 101 || SPARK GAP FOR AERIAL MAST

Reference	Dimensions (mm)	Included	Weight (gr)
AT-060F	50 x 50 x 230	Naval brass clamps for 8-10 mm round and/or 30 x 2 mm tape conductor	900

Aerials are objects especially exposed to lightning strikes and their consequences. The Lightning Protection system must protect the aerial against direct impact, but part of the lightning current could side-strike it, following an uncontrolled path to earth. Even being only part of the lightning current, the damage caused can be very significant.

The protector AT-060F is connected to the aerial mast in order to assure an equipotential union between metallic elements avoiding dangerous sparks between the Lightning Protection System and the aerial mast, which can result in fire and damage to the structure.

Aplicaciones Tecnológicas, S.A. supplies a specific Surge Protective Device for the aerial signal cable (ATFREQ Series. Please consult our Overvoltage Protection catalogue), which will protect the connected equipment.

### INSTALLATION

AT-060F is to be installed connecting the aerial mast to the closest grounded element of the Lightning Protection System. Its connecting clamp is suitable for a wide range of conductors.

### TECHNICAL DATASHEET

Lightning Impulse Current (10/350µs wave):	$I_p (10/350) > 100\text{kA}$
Nominal Discharge Current:	$I_n (8/20\mu\text{s}) = 50\text{kA}$
Protection Level at $I_n (8/20\mu\text{s})$ wave):	$U_p < 4\text{kV}$
Working Temperature:	-55°C to +85°C
Dimensions:	Ø 32 x 40mm
Connections:	Mast: holdfast for aerial of Ø30-50mm. LPS: clamp for Ø8-10mm cable or 30x2mm / 25x3mm tape
Material:	Polyurethane resin
Certificated tests according to:	<input type="checkbox"/> EN 50164 <input type="checkbox"/> IEC61643

