



> DOWN-CONDUCTORS AND ACCESSORIES

> ACCESSORIES

> SPARK GAP FOR AERIAL MAST

Aerials are particularly exposed to lightning strikes and their consequences. The lightning protection system must protect the aerial against direct impact, however part of the lightning current could side-strike it and follow an uncontrolled path to earth. Even if it is only part of the lightning current, the damage caused could be very significant.

The AT-060F protector is connected to the aerial mast in order to ensure an equipotential bond between metal elements, thereby preventing dangerous sparks between the lightning protection system and the aerial mast, which could result in fire and damage to the structure.



AT-060F



APPLICATION AT-060F

Reference	AT-060F
Dimensions:	50 x 50 x 230 mm
Weight:	900 g
Lightning impulse current (10/350 µs wave):	$I_p (10/350) > 100 \text{ kA}$
Nominal discharge current:	$I_n (8/20 \mu\text{s}) = 50 \text{ kA}$
Protection level (1.2/50 µs wave):	$U_p < 4 \text{ kV}$
Working temperature:	-55 °C to +85 °C
Connections:	Mast: Holdfast for Ø30 - 50 mm aerial LPS: Clamp for Ø8-10 mm round conductor or 30 x 2 mm / 25 x 3 mm tape
Material:	Polyurethane resin
Tests certified according to:	EN 50164 (IEC 62561) IEC 61643

Complies with UNE 21186, NF C 17-102, IEC 62305, IEC 62561

Aplicaciones Tecnológicas, S.A. supplies specific surge protection equipment for the aerial signal cable (ATFREQ series, page 364), 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.