



> EQUIPOTENTIAL BONDING

> SPARK GAP FOR EARTH BONDING



AT-050K

Reference	Dimensions (mm)	Conductor dimension range		Material	Weight (kg)
		Round	Tape		
AT-050K	216 x 57 x 38	Ø8 - 10 mm (50 - 70 mm ²)	3 x (30 x 2 mm - 30 x 3.5 mm)	Naval brass (contact)	1

The lightning protection regulations earth connections, i.e. those relating to both the earthing system and the lightning protection system. In this way, we avoid serious problems due to resistive earth couplings.

However, on some occasions this connection cannot be made as, for example, it may cause corrosion problems. In these cases, the AT-050K is the most appropriate means of joining the different earth connections.

In normal conditions, this protector keeps the earth connections isolated, thus avoiding corrosion problems. When a discharge occurs and the voltage increases in the earth connections, the spark gap will activate, directly joining the earth connections and thus preventing current passing from one to another through equipment or internal installations.

> INSTALLATION

The protector has two AT-020F clamps for installation. It is advisable to carry out installation in a specific earth pit.



APPLICATION AT-050K

> TECHNICAL DATASHEET

Lightning impulse current (10/350µs wave):	$I_p (10/350 \mu s) > 100 \text{ kA}$
Nominal discharge current:	$I_n (8/20 \mu s) = 50 \text{ kA}$
Protection level (1.2/50 µs wave):	$U_p < 4 \text{ kV}$
Working temperature:	-55 °C to +85 °C
Dimensions:	Ø32 x 40 mm
Connections:	SPCR: clamp for Ø8 - 10 mm round bar or 30 x 2 mm / 25 x 3 mm tape
Material	Polyurethane resin
Complies with IEC 62305, IEC 62561, UNE 21186, NF C 17-102	