

AT-50K : SPARK GAP FOR EARTH BONDING



All standards about electric and electronic installations recommend to bond every

grounding, both general, lightning protection or any other earthing existing in the installation. This avoids resistive couplings and derivations among groundings.

However, sometimes this bonding cannot be performed directly since it could be a cause of corrosion. In these cases, AT-50K is the most accurate device for earth bonding.

In normal conditions, this protector maintains the isolation between different groundings, thus avoiding corrosion problems. When discharge occurs and voltage rises at one of the groundings, the spark gap will activate, connecting directly the earthing systems and avoiding current to flow from one to the other through the internal equipment and installations.

INSTALLATION

The protector is provided with two connectors at both sides for the installation with **Ø8-10mm cable or 30x2mm plate** (for other dimensions, please consult). It is recommended to place this device inside a specific inspection pit, although it can be located in any other point provided that the ground bonding is effective and the spark gap can be verified.

FICHA TÉCNICA

Impulse current with lightning wave 10/350µs:	$I_p (10/350) > 100\text{kA}$
Nominal current:	$I_n(8/20\mu\text{s})=50\text{ kA}$
Protection level for 8/20 wave at I_n :	$U_p(I_n)=2,5\text{MJ}/\Omega$
Working Temperature:	-55°C to + 85°C
Dimensions:	Ø 32 x 40mm
Connection:	AISI 304 stainless steel rods
Material:	Polyurethane resin
Certificated tests according to IEC61643-1	