

CLIPSAI

SPARK GAP

FOR LIGHTNING CURRENTS

Cat. No. 951

The Clipsal Cat. No. 951 disconnection spark gap is an efficient, metal-enclosed disconnection spark gap. It additionally has a weather-resistant, leakage current resistant synthetic resin coating and is especially suitable for outdoor installation in manholes or damp surroundings.

The spark gap can be installed in the following situations:

- For connection of the lightning protection system with other earthed system parts.
- For the connection of earthing systems which are separated in case of normal operation and which, due to reasons of corrosion, may not be connected directly. Also these ground electrodes take part in the discharge of the lightning current.

Some examples for a possible use:

Connection of the lightning protection ground electrode with ground electrodes of telephone plants, measuring electrodes, rails of signal circuits, ground electrodes of DC railways or ground electrodes of different materials.

- For the connection of cathodically protected parts of a system with other earthed parts.

AC Sparkover voltage (50 Hz)	2.5 kV
Impulse sparkover voltage (1.2/50)	5 kV
Maximum operating voltage (quenching voltage)	40 V ≈
Discharge capacity	
- $\int idt$	10 As
- $\int i^2 dt$	$10^5 A^2 s$
Discharge surge current (8/20)	50 kA

