

EARTHING ELECTRODE WITH CORROSION RESISTANT CONNECTIONS

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DESCRIPTION

The electrode consists of some concentric tubes, an outer galvanized steel tube, and an inner galvanized steel tube joined to the bottom by welding with a plate, and at the top by a flattened metal plate in the shape of „S”, so that the connections are made through the heads of the flattened metal plate through welding with the flattened horizontal metal plate of the earthing installation. The connection are covered with bitumen inside a plastic corrosion protection box and the top of the electrode assembly, the connection area between the electrode’s flattened metal plate, and the horizontal earthing installation flattened metal plate has an access zone for periodic checks and measurements. The externally galvanized steel tube provides, at a limited length, at least 4 equidistant longitudinal grooves that allow the material of the tube so that on said tube some wings materialize, transversely on its axis, in the form of a rosette, which defines a larger contact surface of the galvanized steel tube with the soil.

ADVANTAGES

- *Allows a better contact with the soil;*
- *Provides through a lower electrical resistance, a better passage and dissipation of the lightning surge through the soil ;*
- *Provides anticorrosive protection for the horizontal earthing flattened metal plate joining pieces*
- *Ensures a simpler assembly work so that the possibility of friction with the soil is removed, implicitly the removal of the zinc coating.*

