

The proposed polymeric insulator contains an insulating rod with metallic caps and a casing with ring-shaped ribs. Each rib has a conical cross-section and curvilinear surface in the area between the conical surface of the rib and the cylindrical surface of the casing. The angle (α_1) between the longitudinal axis of the insulator and the tangent to the generating line of the upper surface of the rib corresponds to the condition $\alpha_1 \geq 90^\circ$. The angle (α_2) between the longitudinal axis of the insulator and the tangent to the generating line of the lower surface of the rib corresponds to the condition $\alpha_2 \leq \alpha_1$ for all the points that are equidistant from the longitudinal axis of the insulator.