Arc splitter stack for an electric switching device

Abstract

A description is given of an arc splitter stack (19) for an electric switching device (10), in particular for a circuit breaker and motor protecting switch, having a plurality of arc splitters which are arranged at a spacing from one another and between which an arc is subdivided into a plurality of partial arcs. There are arranged in the stack arc splitters (20, 21, 22, 23; 38, 36, 37; 50 to 54) which are offset along a line (24, 43, 55) running in the arc running direction so as to form two lamination sections (25, 26) running in parallel. The laminations are laid on one another, an insulating layer (29, 31) being accommodated between the sections in mutual contact, whereas the other sections of two adjacent laminations in each case enclose between them the usual spacing required for arc quenching. It is thereby possible for splitters to be accommodated in a stack in conjunction to the same volume as in a stack in which all the splitters are flat-surfaced.

Relevant figure: Figure 2

This Sheet Has Been Replaced