

Title (en)
SHORT-CIRCUITING DEVICE, PARTICULARLY FOR PROTECTION AGAINST INTERNAL ARCS IN LOW-VOLTAGE AND MEDIUM-VOLTAGE SYSTEMS

Title (de)
KURZSCHLIESSEREINRICHTUNG, INSBESONDERE FÜR DEN STÖRLICHTBOGENSCHUTZ IN NIEDER- UND MITTELSPANNUNGSANLAGEN

Title (fr)
DISPOSITIF DE MISE EN COURT-CIRCUIT, EN PARTICULIER POUR LA PROTECTION CONTRE LES ARCS ELECTRIQUES PARASITES DANS DES INSTALLATIONS BASSE ET MOYENNE TENSION

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Abstract (en)
[origin: WO2016041839A1] The invention relates to a short circuiting device particularly for arc flash protection in low and medium voltage installations, consisting of a multi-part housing which receives a fixed and a displaceable electrode, said electrodes being held in the housing at a distance from one another by means of a sacrificial element. A mechanical prestressing element is also provided which acts upon said displaceable electrode and provides a force vector in the direction of the fixed electrode. Said prestressing element is located inside a head section of the housing. At least one ventilation and pressure compensation channel is also provided, as well as means for activating said sacrificial element such that the electrodes arrive in electrical contact with one another. According to the invention, a locking arrangement is designed in the head section of the housing and, following activation of the sacrificial element and establishment of contact between the electrodes, prevents the displaceable electrode from travelling back since said displaceable electrode can be directly blocked, or a slider following the movement of the displaceable electrode can be indirectly blocked, by means of a spring-loaded bolt.

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