

Abstract

Metal-encapsulated, gas-insulated switchgear assemblies with gas-filled containers

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The invention relates to metal-encapsulated, gas-insulated switchgear assemblies, in particular for medium voltage technology, having switch panels with a modular structure, in which three-position switches and busbars are arranged jointly in a hermetically sealed first switch area and circuit breakers are arranged in a hermetically sealed second switch area one behind the other, with the busbars being connected to the circuit breakers via bushings by means of the three-position switches, the circuit breakers being provided with a corresponding number of cable bushings for connection of cable connections, and the switch areas being bounded by pressure-relief channels.

20 In the switchgear assemblies, the three-position switches (DS) are arranged alongside one another in the respective first switch areas (R1) controlled by a single push rod pressure-relief channels for the first switch areas (R1) are provided towards the outside, each having a pressure-reducing, fault-arc-resistant section cover (SA) with an air outlet which is free upward, and the bushings are provided by gas-tight module coupling devices (MK).

30 Figure 1