

Title (en)
VACUUM SWITCH, PARTICULARLY FOR A LOW-VOLTAGE PROTECTOR

Publication
EP 0132804 B1 19870107 (DE)

Application
EP 84108617 A 19840720

Priority
• DE 3327390 A 19830729
• DE 8321880 U 19830729

Abstract (en)
[origin: US4540863A] A vacuum-switching tube for a vacuum switch having two poles and producing metal vapor during switching, includes a housing having a metal vessel partially defining a switching chamber and at least one high temperature-resistant insulator disposed axially of the metal vessel outside the switching chamber, the insulator having a side facing away from the switching chamber and the insulator having a relatively small axial height being at least sufficient for insulating the two poles of the vacuum switch at given voltages expected in the vacuum-switching tube during operation, fixed and movable coaxial switching contacts disposed in the switching chamber, a shaft connected to the movable contact for moving the movable contact in axial direction, a device for shielding the insulator from the metal vapor produced during switching, the shielding device defining a boundary of the switching chamber in axial direction, accordion bellows disposed outside the switching chamber and adjacent the side of the insulator facing away from the switching chamber for vacuum-tightly sealing the movable contact, and an insulating cap resting against the insulator and surrounding the insulator and the accordion bellows, the insulating cap including a guide bearing for guiding the shaft.

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IPC 8 full level
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Cited by
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