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The invention relates to the electrical machines of constant current with reed relay commutators and may be used, where sparkling and arc arising at commutation are inadmissible, as they create a risk of explosion or disturbances, for example, at the enterprises where the air contains combustible gases or combustible vapors.

Summary of the invention consists in that the machine comprises a rigid inductor with poles (76, 77, 78, 79), a closed winding armature, connected to the reed relay commutator with constant magnets (74, 75), the reed relays of which are placed in the same cylindrical crown (73), two contact rings (35, 36) and brushes (37, 38) being in contact with them. All connection nods (18...34) of the beginning and the end of sections (1...17) of the armature winding are connected to each contact ring (35, 36) through the commutator reed relay, the reed relays of each nod (18...34) being displaced and separated relative to each other by a number of the reed relays equal to the double number of sections of the armature winding parallel branch and the constant magnets (74, 75) controlling the reed relays are displaced relative to each other with a double pole division and have a width greater than the arc length, covered by three reed relays but less than the distance between each first and fourth reed relay at the consequent counting thereof in the cylindrical crown (73).

The technical result of the invention consists in the improvement of commutation, as well as reduction of the reed relays cylindrical crowns, control magnets and short-circuited sections of armature winding.

Claims: 1
Fig.: 1